

MX710 Series

User's Guide

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Machine type(s):

7463

Model(s):

032, 036, 037, 232, 236, 237

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Safety information

Connect the power cord directly to an appropriately rated and properly grounded electrical outlet that is near the product and easily accessible.



CAUTION—POTENTIAL INJURY: Do not use this product with extension cords, multioutlet power strips, multioutlet extenders, or other types of surge or UPS devices. The power rating capacity of these types of accessories can be easily overloaded by a laser printer and may result in poor printer performance, property damage, or potential fire.

Do not place or use this product near water or wet locations.



CAUTION—POTENTIAL INJURY: This product uses a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This product uses a printing process that heats the print media, and the heat may cause the media to release emissions. You must understand the section in your operating instructions that discusses the guidelines for selecting print media to avoid the possibility of harmful emissions.



CAUTION—POTENTIAL INJURY: The lithium battery in this product is not intended to be replaced. There is a danger of explosion if a lithium battery is incorrectly replaced. Do not recharge, disassemble, or incinerate a lithium battery. Discard used lithium batteries according to the manufacturer's instructions and local regulations.



CAUTION—HOT SURFACE: The inside of the printer might be hot. To reduce the risk of injury from a hot component, allow the surface to cool before touching.



CAUTION—POTENTIAL INJURY: The printer weight is greater than 18 kg (40 lb) and requires two or more trained personnel to lift it safely.



CAUTION—POTENTIAL INJURY: Before moving the printer, follow these guidelines to avoid personal injury or printer damage:

- Turn the printer off using the power switch, and then unplug the power cord from the electrical outlet.
- Disconnect all cords and cables from the printer before moving it.
- If an optional tray is installed, then remove it from the printer. To remove the optional tray, slide the latch on the right side of the tray toward the front of the tray until it *clicks* into place.
- Use the handholds located on both sides of the printer to lift it.
- Make sure your fingers are not under the printer when you set it down.
- Before setting up the printer, make sure there is adequate clearance around it.

Use only the power cord provided with this product or the manufacturer's authorized replacement.

Use only the telecommunications (RJ-11) cord provided with this product or a 26 AWG or larger replacement when connecting this product to the public switched telephone network.



CAUTION—SHOCK HAZARD: If you are accessing the controller board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the electrical outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.



CAUTION—SHOCK HAZARD: Make sure that all external connections (such as Ethernet and telephone system connections) are properly installed in their marked plug-in ports.

Safety information 8

This product is designed, tested, and approved to meet strict global safety standards with the use of specific manufacturer's components. The safety features of some parts may not always be obvious. The manufacturer is not responsible for the use of other replacement parts.



CAUTION—POTENTIAL INJURY: Do not cut, twist, bind, crush, or place heavy objects on the power cord. Do not subject the power cord to abrasion or stress. Do not pinch the power cord between objects such as furniture and walls. If any of these things happen, a risk of fire or electrical shock results. Inspect the power cord regularly for signs of such problems. Remove the power cord from the electrical outlet before inspecting it.

Refer service or repairs, other than those described in the user documentation, to a service representative.



CAUTION—SHOCK HAZARD: To avoid the risk of electrical shock when cleaning the exterior of the printer, unplug the power cord from the electrical outlet and disconnect all cables from the printer before proceeding.



CAUTION—SHOCK HAZARD: Do not use the fax feature during a lightning storm. Do not set up this product or make any electrical or cabling connections, such as the fax feature, power cord, or telephone, during a lightning storm.



CAUTION—TIPPING HAZARD: Floor-mounted configurations require additional furniture for stability. You must use either a printer stand or printer base if you are using multiple input options. If you purchased a multifunction printer (MFP) that scans, copies, and faxes, then you may need additional furniture. For more information, see www.lexmark.com/multifunctionprinters.



CAUTION—POTENTIAL INJURY: To reduce the risk of equipment instability, load each tray separately. Keep all other trays closed until needed.

SAVE THESE INSTRUCTIONS.

Learning about the printer

Finding information about the printer

What are you looking for?	Find it here
Initial setup instructions: Connecting the printer Installing the printer software	Setup documentation—The setup documentation came with the printer and is also available at http://support.lexmark.com .
Additional setup and instructions for using the printer: • Selecting and storing paper and specialty media • Loading paper • Configuring printer settings • Viewing and printing documents and photos • Setting up and using the printer software • Configuring the printer on a network • Caring for and maintaining the printer • Troubleshooting and solving problems	User's Guide and Quick Reference Guide—The guides are available at http://support.lexmark.com . Note: These guides are also available in other languages.
Information on setting up and configuring the accessibility features of your printer	Lexmark Accessibility Guide—This guide is available at http://support.lexmark.com .
Help using the printer software	Windows or Mac Help—Open a printer software program or application, and then click Help. Click to view context-sensitive information. Notes: Help is automatically installed with the printer software. The printer software is located in the printer program folder or on the desktop, depending on your operating system.

What are you looking for?	Find it here
The latest supplemental information, updates, and customer support:	Lexmark support Web site— http://support.lexmark.com
 Documentation Driver downloads Live chat support E-mail support Voice support 	Note: Select your country or region, and then select your product to view the appropriate support site. Support telephone numbers and hours of operation for your country or region can be found on the support Web site or on the printed warranty that came with your printer. Record the following information (located on the store
	receipt and at the back of the printer), and have it ready when you contact customer support so that they may serve you faster: • Machine Type number • Serial number • Date purchased • Store where purchased
Warranty information	 Warranty information varies by country or region: In the U.S.—See the Statement of Limited Warranty included with this printer, or go to http://support.lexmark.com. In other countries and regions—See the printed warranty that came with this printer.

Selecting a location for the printer



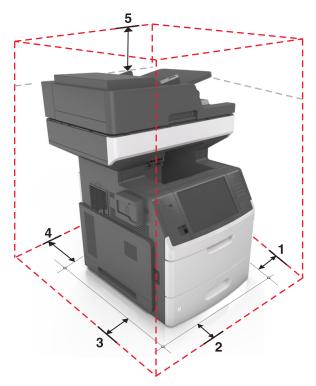
CAUTION—POTENTIAL INJURY: The printer weight is greater than 18 kg (40 lb) and requires two or more trained personnel to lift it safely.

When selecting a location for the printer, leave enough room to open trays, covers, and doors. If you plan to install any options, then leave enough room for them also. It is important to:

- Set up the printer near a properly grounded and easily accessible electrical outlet.
- Make sure airflow in the room meets the latest revision of the ASHRAE 62 standard or the CEN Technical Committee 156 standard.
- Provide a flat, sturdy, and stable surface.
- Keep the printer:
 - Clean, dry, and free of dust.
 - Away from stray staples and paper clips.
 - Away from the direct airflow of air conditioners, heaters, or ventilators.
 - Free from direct sunlight and humidity extremes.
- Observe the recommended temperatures and avoid fluctuations:

Ambient temperature	15.6 to 32.2°C (60 to 90°F)
Storage temperature	1 to 35°C (34 to 95°F)

Allow the following recommended amount of space around the printer for proper ventilation:



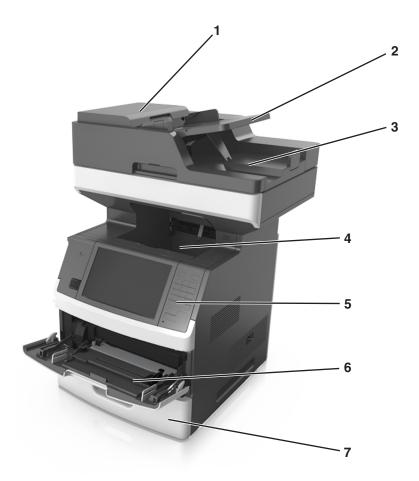
1	Right side	152 mm (6 in.)
2	Front	394 mm (15.5 in.)
3	Left side	152 mm (6 in.)
4	Rear	152 mm (6 in.)
5	Тор	152 mm (6 in.)

Printer configurations



CAUTION—TIPPING HAZARD: Floor-mounted configurations require additional furniture for stability. You must use either a printer stand or printer base if you are using multiple input options. If you purchased a multifunction printer (MFP) that scans, copies, and faxes, then you may need additional furniture. For more information, see www.lexmark.com/multifunctionprinters.

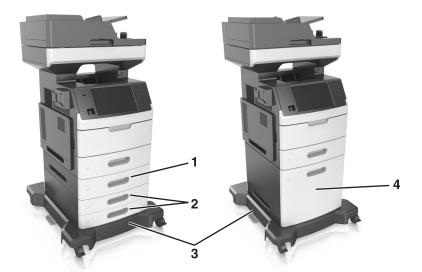
Basic model



1	Automatic document feeder (ADF)
2	ADF tray
3	ADF bin
4	Standard bin
5	Printer control panel
6	100-sheet multipurpose feeder
7	Standard 550-sheet tray

Fully configured model

The following illustration shows the maximum number of optional trays that are supported by the printer. For more information on other configurations, visit www.lexmark.com/multifunctionprinters.



1	Optional 550-sheet tray
2	Optional 250-sheet trays
3	Caster base
4	Optional 2100-sheet tray

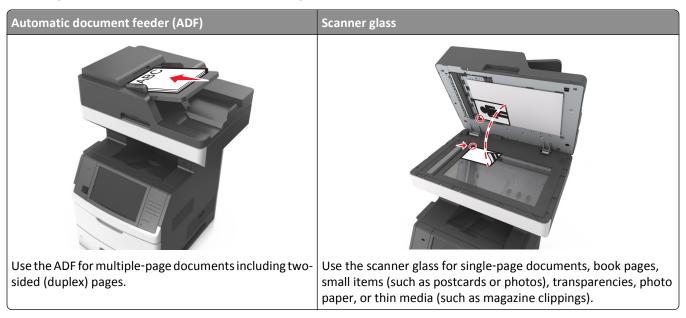
When using optional trays:

- Always use a caster base when the printer is configured with an optional 2100-sheet tray.
- The optional 2100-sheet tray must always be at the bottom of a configuration and may be paired with only one optional 250- or 550-sheet tray.
- You may combine three optional 250- or 550-sheet trays and install them in any order.

Understanding the basic functions of the scanner

- Make quick copies or set the printer to perform specific copy jobs.
- Send a fax using the printer control panel.
- Send a fax to multiple fax destinations at the same time.
- Scan documents and send them to your computer, an e-mail address, a flash drive, or an FTP destination.
- Scan documents and send them to another printer (PDF through an FTP).

Using the ADF and scanner glass



You can use the ADF or the scanner glass to scan documents.

Using the ADF

When using the ADF:

- Load the document into the ADF tray faceup, short edge first.
- Load up to 150 sheets of plain paper into the ADF tray.
- Scan sizes from 76.2 x 127 mm (3 x 5 inches) wide to 216 x 635 mm (8.5 x 25 inches) long
- Scan media weighs from 52 to 120 g/m² (14-32 lb).
- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.

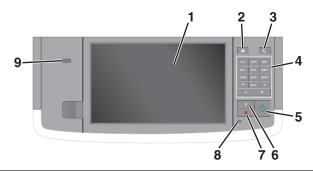
Using the scanner glass

When using the scanner glass:

- Place a document facedown on the scanner glass in the corner with the green arrow.
- Scan or copy documents up to 216 x 355.6 mm (8.5 x 14 inches).
- Copy books up to 25.3 mm (1 inch) thick.

Understanding the printer control panel

Using the printer control panel



Use th	e	То
1	Display	View the printer status and messages.Set up and operate the printer.
2	Home button	Go to the home screen.
3	Sleep button	 Enable Sleep mode or Hibernate mode. Do the following to wake the printer from Sleep mode: Touch the screen or press any hard button. Open a door or cover. Send a print job from the computer. Perform a power-on reset (POR) with the main power switch. Attach a device to the USB port on the printer.
4	Keypad	Enter numbers, letters, or symbols.
5	Start button	Start a job, depending on which mode is selected.
6	Clear All / Reset button	Reset the default settings of a function, such as copying, faxing, or scanning.
7	Cancel button	Cancel all printer activity.
8	Indicator light	Check the status of the printer.
9	USB port	Connect a flash drive to the printer. Note: Only the front USB port supports flash drives.

Understanding the colors of the Sleep button and indicator lights

The colors of the Sleep button and indicator lights on the control panel signify a printer status or condition.

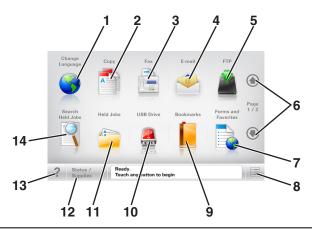
Indicator light	Printer status
Off	The printer is off or in Hibernate mode.
Blinking green	The printer is warming up, processing data, or printing.
Solid green	The printer is on, but idle.
Blinking red	The printer requires user intervention.

Sleep button light	Printer status
Off	The printer is off, idle, or in Ready state.
Solid amber	The printer is in Sleep mode.
Blinking amber	The printer is entering or waking from Hibernate mode.
Blinking amber for 0.1 second, then goes completely off for 1.9 seconds in a slow, pulsing pattern	The printer is in Hibernate mode.

Understanding the home screen

When the printer is turned on, the display shows a basic screen, referred to as the home screen. Touch the home screen buttons and icons to initiate an action such as copying, faxing, or scanning; to open the menu screen; or to respond to messages.

Note: Your home screen may vary depending on your home screen customization settings, administrative setup, and active embedded solutions.



Touch		То
1	Change Language	Launch the Change Language pop-up window that lets you change the primary language of the printer.
2	Сору	Access the Copy menus and make copies.
3	Fax	Access the Fax menus and send fax.
4	E-mail	Access the E-mail menus and send e-mails.
5	FTP	Access the File Transfer Protocol (FTP) menus and scan documents directly to an FTP server.
6	Arrows	Scroll up or down.

Touch		То
7	Forms and Favorites	Quickly find and print frequently used online forms.
8	Menu icon	Access the printer menus.
		Note: The menus are available only when the printer is in Ready state.
9	Bookmarks	Create, organize, and save a set of bookmarks (URL) into a tree view of folders and file links.
		Note: The tree view supports only bookmarks created from this function, and not from any other application.
10	USB Drive	View, select, print, scan, or e-mail photos and documents from a flash drive.
		Note: This icon appears only when you return to the home screen while a memory card or flash drive is connected to the printer.
11	Held Jobs	Display all current held jobs.
12	Status/Supplies	 Show a warning or error message whenever the printer requires intervention to continue processing.
		• Access the messages screen for more information on the message, and how to clear it.
13	Tips	Open a context-sensitive Help dialog.
14	Search Held Jobs	Search for one or more of the following items:
		User name for held or confidential print jobs
		Job names for held jobs, excluding confidential print jobs
		Profile names
		Bookmark container or print job names
		USB container or print job names for supported file types

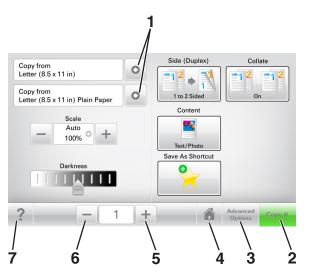
Features

Feature	Description
Menu trail line Example:	A menu trail line is located at the top of each menu screen. This feature shows the path taken to arrive at the current menu.
Menus > Settings > Copy Settings >	Touch any of the underlined words to return to that menu.
Number of Copies	Number of Copies is not underlined because it is the current screen. If you touch an underlined word on the "Number of Copies" screen before the number of copies is set and saved, then the selection is not saved, and it does not become the default setting.
Attendance message alert	If an attendance message affects a function, then this icon appears and the red indicator light blinks.
Warning	If an error condition occurs, then this icon appears.

Feature	Description
Status message bar	 Show the current printer status such as Ready or Busy. Show printer conditions such as Toner Low or Cartridge Low. Show intervention messages so the printer can continue processing.
Printer IP address Example: 123.123.123.123	The IP address of your network printer is located at the upper left corner of the home screen and appears as four sets of numbers separated by periods. You can use the IP address when accessing the Embedded Web Server so you can view and remotely configure printer settings even when you are not physically near the printer.

Using the touch-screen buttons

Note: Your home screen, icons, and buttons may vary, depending on your home screen customization settings, administrative setup, and active embedded solutions.



	Touch	То
1	Arrows	View a list of options.
2	Copy It	Print a copy.
3	Advanced Options	Select a copy option.
4	Home	Go to the home screen.
5	Increase	Select a higher value.
6	Decrease	Select a lower value.
7	Tips	Open a context-sensitive Help dialog.

Other touch-screen buttons

Touch	То
Accept	Save a setting.
Cancel	Cancel an action or a selection.
	Exit a screen and return to the previous screen without saving changes.
Reset	Reset values on the screen.

Setting up and using the home screen applications

Notes:

- Your home screen may vary depending on your home screen customization settings, administrative setup, and active embedded applications.
- There may be additional solutions and applications available for purchase. For more information, go to <u>www.lexmark.com</u> or contact the place where you purchased the printer.

Finding the IP address of the printer

Note: Make sure your printer is connected to a network or to a print server.

You can find the printer IP address:

- From the top left corner of the printer home screen.
- From the TCP/IP section in the Network/Ports menu.
- By printing a network setup page or menu settings page, and then finding the TCP/IP section.

Note: An IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.

Finding the IP address of the computer

For Windows users

- 1 In the Run dialog box, type cmd to open the command prompt.
- **2** Type ipconfig, and then look for the IP address.

For Macintosh users

- 1 From System Preferences in the Apple menu, select **Network**.
- 2 Select your connection type, and then click Advanced > TCP/IP.
- **3** Look for the IP address.

Accessing the Embedded Web Server

The Embedded Web Server is the printer Web page that lets you view and remotely configure printer settings even when you are not physically near the printer.

- 1 Obtain the printer IP address:
 - From the printer control panel home screen
 - From the TCP/IP section in the Network/Ports menu
 - By printing a network setup page or menu settings page, and then finding the TCP/IP section

Note: An IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.

2 Open a Web browser, and then type the printer IP address in the address field.

3 Press Enter.

Note: If you are using a proxy server, then temporarily disable it to load the Web page correctly.

Customizing the home screen

1 Open a Web browser, and then type the printer IP address in the address field.

Note: View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.

- **2** Do one or more of the following:
 - Show or hide the icons of basic printer functions.
 - a Click Settings > General Settings > Home screen customization.
 - **b** Select the check boxes to specify which icons appear on the home screen.

Note: If you clear a check box beside an icon, then the icon does not appear on the home screen.

- c Click Submit.
- Customize the icon for an application. For more information, see <u>"Finding information about the home screen applications" on page 22</u> or see the documentation that came with the application.

Understanding the different applications

Use	То
Card Copy	Scan and print both sides of a card on a single page. For more information, see <u>"Setting up Card Copy"</u> on page 23.
Fax	Scan a document, and then send it to a fax number. For more information, see <u>"Faxing" on page 113</u> .
Forms and Favorites	Quickly find and print frequently used online forms directly from the printer home screen. For more information, see <u>"Setting up Forms and Favorites" on page 22</u> .
Multi Send	Scan a document, and then send it to multiple destinations. For more information, see <u>"Setting up Multi Send"</u> on page 24.
MyShortcut	Create shortcuts directly on the printer home screen. For more information, see <u>"Using MyShortcut"</u> on page 23.
Scan to E-mail	Scan a document, and then send it to an e-mail address. For more information, see <u>"E-mailing" on page 106</u> .
Scan to Computer	Scan a document, and then save it to a predefined folder on a host computer. For more information, see <u>"Setting up Scan to Computer" on page 141</u> .
Scan to FTP	Scan documents directly to a File Transfer Protocol (FTP) server. For more information, see <u>"Scanning to an FTP address" on page 138</u> .
Scan to Network	Scan a document, and then send it to a network shared folder. For more information, see <u>"Setting up Scan to Network" on page 24</u> .

Activating the home screen applications

Finding information about the home screen applications

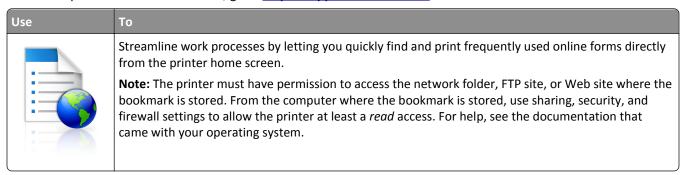
Your printer comes with preinstalled home screen applications. Before you can use these applications, you must first activate and set up these applications using the Embedded Web Server. For more information on accessing the Embedded Web Server, see "Accessing the Embedded Web Server" on page 20.

For more information on configuring and using the home screen applications, do the following:

- 1 Go to http://support.lexmark.com.
- **2** Click **Software Solutions**, and then select either of the following:
 - Scan to Network—This lets you find information about the Scan to Network application.
 - Other Applications—This lets you find information about the other applications.
- 3 Click the Manuals tab, and then select the document for the home screen application.

Setting up Forms and Favorites

Note: A later version of this *User's Guide* may contain a direct link to the *Administrator's Guide* of this application. To check for updates of this *User's Guide*, go to http://support.lexmark.com.



1 Open a Web browser, and then type the printer IP address in the address field.

Note: View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.

- 2 Click Settings > Apps > Apps Management > Forms and Favorites.
- **3** Click **Add**, and then customize the settings.

Notes:

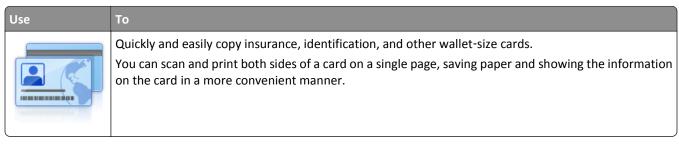
- See the mouse-over help beside each field for a description of the setting.
- To make sure the location settings of the bookmark are correct, type the correct IP address of the host computer where the bookmark is located. For more information on obtaining the IP address of the host computer, see <u>"Finding the IP address of the computer" on page 20</u>.
- Make sure the printer has access rights to the folder where the bookmark is located.

4 Click Apply.

To use the application, touch **Forms and Favorites** on the printer home screen, and then navigate through form categories, or search for forms based on a form number, name, or description.

Setting up Card Copy

Note: A later version of this *User's Guide* may contain a direct link to the *Administrator's Guide* of this application. To check for updates of this *User's Guide*, go to http://support.lexmark.com.



1 Open a Web browser, and then type the printer IP address in the address field.

Note: View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.

- 2 Click Settings > Apps > Apps Management > Card Copy.
- **3** Change the default scanning options, if necessary.
 - **Default tray**—Select the default tray to be used for printing scan images.
 - **Default number of copies**—Specify the number of copies that should automatically print when the application is used.
 - **Default contrast setting**—Specify a setting to increase or decrease the level of contrast when a copy of the scanned card is printed. Select **Best for Content** if you want the printer to adjust the contrast automatically.
 - Default scale setting—Set the size of the scanned card when printed. The default setting is 100% (full size).
 - Resolution setting—Adjust the quality of the scanned card.

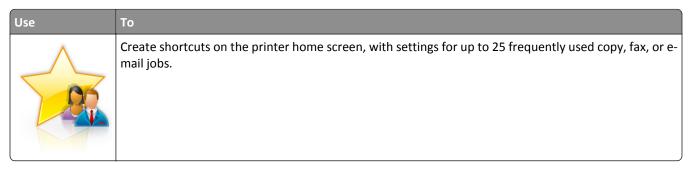
Notes:

- When scanning a card, make sure the scan resolution is not more than 200 dpi for color, and 400 dpi for black and white.
- When scanning multiple cards, make sure the scan resolution is not more than 150 dpi for color, and 300 dpi for black and white.
- Print Borders—Select the check box to print the scan image with a border around it.
- 4 Click Apply.

To use the application, touch **Card Copy** on the printer home screen, and then follow the instructions.

Using MyShortcut

Note: A later version of this *User's Guide* may contain a direct link to the *Administrator's Guide* of this application. To check for updates of this *User's Guide*, go to http://support.lexmark.com.



To use the application, touch MyShortcut, and then follow the instructions on the printer display.

Setting up Multi Send

Note: A later version of this *User's Guide* may contain a direct link to the *Administrator's Guide* of this application. To check for updates of this *User's Guide*, go to http://support.lexmark.com.

Use	То
A	Scan a document, and then send the scanned document to multiple destinations. Note: Make sure there is enough space in the printer hard disk.

1 Open a Web browser, and then type the printer IP address in the address field.

Note: View the printer IP address on the printer home screen. The printer IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.

- 2 Click Settings > Apps > Apps Management > Multi Send.
- **3** From the Profiles section, click **Add**, and then customize the settings.

Notes:

- See the mouse-over help beside each field for a description of the setting.
- If you select **FTP** or **Share Folder** as a destination, then make sure the location settings of the destination are correct. Type the correct IP address of the host computer where the specified destination is located. For more information on obtaining the IP address of the host computer, see <u>"Finding the IP address of the computer"</u> on page 20.

4 Click Apply.

To use the application, touch **Multi Send** on the printer home screen, and then follow the instructions on the printer display.

Setting up Scan to Network

Note: A later version of this *User's Guide* may contain a direct link to the *Administrator's Guide* of this application. To check for updates of this *User's Guide*, go to http://support.lexmark.com.

Scan a document and send it to a shared network folder. You can define up to 30 unique folder destinations. Notes: The printer must have permission to write to the destinations. From the computer where the destination is specified, use sharing, security, and firewall settings to allow the printer at least a write access. For help, see the documentation that came with your operating system. The Scan to Network icon appears only when one or more destinations are defined.

1 Open a Web browser, and then type the printer IP address in the address field.

Note: View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.

- **2** Do either of the following:
 - Click Set up Scan to Network > Click here.
 - Click Settings > Apps > Apps Management > Scan to Network.
- **3** Specify the destinations, and then customize the settings.

Notes:

- See the mouse-over help beside some of the fields for a description of the setting.
- To make sure the location settings of the destination are correct, type the correct IP address of the host computer where the specified destination is located. For more information on obtaining the IP address of the host computer, see <u>"Finding the IP address of the computer"</u> on page 20.
- Make sure the printer has access rights to the folder where the specified destination is located.

4 Click Apply.

To use the application, touch **Scan to Network** on the printer home screen, and then follow the instructions on the printer display.

Setting up Remote Operator Panel

This application enables you to interact with the printer control panel even when you are not physically near the network printer. From your computer, you can view the printer status, release held print jobs, create bookmarks, and do other print-related tasks.

1 Open a Web browser, and then type the printer IP address in the address field.

Note: View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.

- 2 Click Settings > Remote Operator Panel Settings.
- **3** Select the **Enable** check box, and then customize the settings.
- 4 Click Submit.

To use the application, click Remote Operator Panel > Launch VNC Applet.

Exporting and importing a configuration

You can export configuration settings into a text file, and then import the file to apply the settings to other printers.

1 Open a Web browser, and then type the printer IP address in the address field.

Note: View the IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.

2 Export or import a configuration file for one or multiple applications.

For one application

- a Navigate to:
 - Settings > Apps > Apps Management > select an application > Configure
- **b** Export or import the configuration file.

Notes:

- If a JVM Out of Memory error occurs, then repeat the export process until the configuration file is saved.
- If a timeout occurs and a blank screen appears, then refresh the Web browser, and then click Apply.

For multiple applications

- a Click Settings > Import/Export.
- **b** Export or import a configuration file.

Note: When importing a configuration file, click **Submit** to complete the process.

Additional printer setup

Installing internal options



CAUTION—SHOCK HAZARD: If you are accessing the controller board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the electrical outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.

Available internal options

- Memory card
 - DDR3 DIMM
 - Flash memory
 - Fonts
 - Firmware cards
 - Forms barcode
 - PRESCRIBE
 - IPDS
 - Printcryption
- LexmarkTM Internal Solutions Ports (ISP)
 - Parallel 1284-B interface
 - − MarkNetTM N8350 802.11 b/g/n wireless printer server
 - MarkNet N8130 10/100 fiber interface
 - RS-232-C serial interface

Accessing the controller board

Note: This task requires a flat-head screwdriver.

4

CAUTION—SHOCK HAZARD: If you are accessing the controller board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the electrical outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.

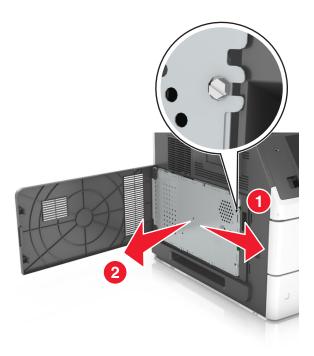
1 Open the controller board access cover.



2 Using a screwdriver, loosen the screws on the controller board shield.

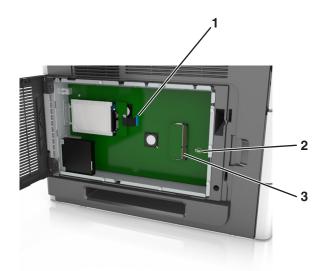


3 Remove the shield.



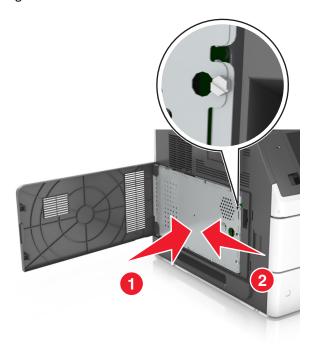
4 Use the following illustration to locate the appropriate connector.

Warning—Potential Damage: Controller board electronic components are easily damaged by static electricity. Touch a metal surface on the printer before touching any controller board electronic components or connectors.



1	Lexmark Internal Solutions Port or printer hard disk connector
2	Option card connector
3	Memory card connector

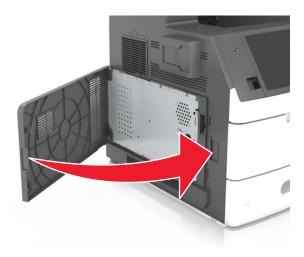
Reattach the shield, and then align the screws with the holes.



Tighten the screws on the shield.



7 Close the access cover.



Installing a memory card



CAUTION—SHOCK HAZARD: If you are accessing the controller board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the electrical outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.

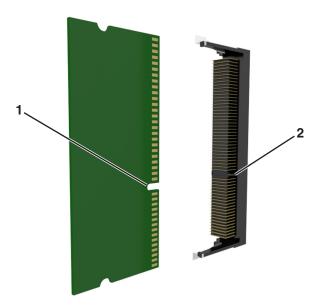
Warning—Potential Damage: Controller board electronic components are easily damaged by static electricity. Touch something metal on the printer first before touching any controller board electronic components or connectors.

An optional memory card can be purchased separately and attached to the controller board.

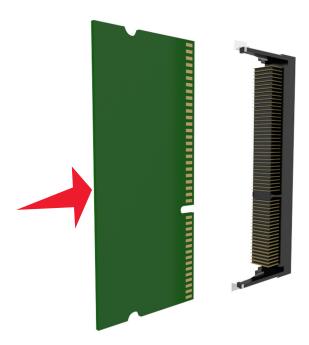
- 1 Access the controller board.
 For more information, see "Accessing the controller board" on page 27.
- **2** Unpack the memory card.

Warning—Potential Damage: Do not touch the connection points along the edge of the card. Doing so may cause damage.

3 Align the notch (1) on the memory card with the ridge (2) on the connector.



4 Push the memory card straight into the connector, and then push the card toward the controller board wall until it *clicks* into place.



5 Reattach the controller board shield, and then the controller board access cover.

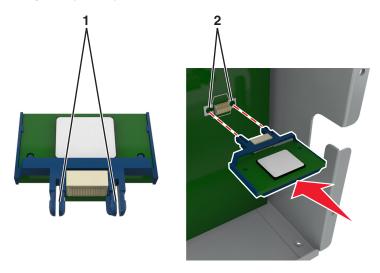
Installing an optional card



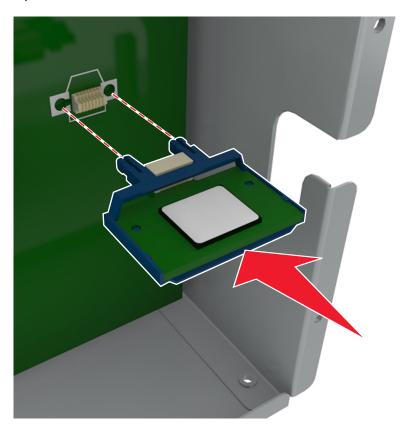
CAUTION—SHOCK HAZARD: If you are accessing the controller board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the electrical outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.

Warning—Potential Damage: Controller board electronic components are easily damaged by static electricity. Touch a metal surface on the printer before touching any controller board electronic components or connectors.

- 1 Access the controller board.
 For more information, see "Accessing the controller board" on page 27.
- **2** Unpack the optional card.
 - **Warning—Potential Damage:** Avoid touching the connection points along the edge of the card.
- **3** Holding the card by its sides, align the plastic pins (1) on the card with the holes (2) on the controller board.



4 Push the card firmly into place as shown in the illustration.



Warning—Potential Damage: Improper installation of the card may cause damage to the card and the controller board.

Note: The entire length of the connector on the card must touch and be flush against the controller board.

5 Close the controller board access door.

Note: When the printer software and any hardware options are installed, it may be necessary to manually add the options in the printer driver to make them available for print jobs. For more information, see <u>"Adding available options in the print driver" on page 52</u>.

Installing an Internal Solutions Port

The controller board supports one optional Lexmark Internal Solutions Port (ISP).

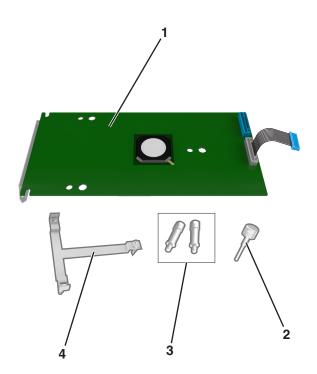
Note: This task requires a flat-head screwdriver.



CAUTION—SHOCK HAZARD: If you are accessing the controller board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the electrical outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.

Warning—Potential Damage: Controller board electronic components are easily damaged by static electricity. Touch a metal surface on the printer first before touching any controller board electronic components or connectors.

- 1 Access the controller board.
 For more information, see "Accessing the controller board" on page 27.
- **2** If a printer hard disk is installed, then remove the printer hard disk first. For more information, see <u>"Removing a printer hard disk" on page 44</u>.
- **3** Unpack the ISP kit.



1	ISP solution
2	Screw for attaching the plastic bracket to the ISP
3	Screws for attaching the ISP mounting bracket to the controller board shield
4	Plastic bracket

- 4 Remove the metal cover from the ISP opening.
 - **a** Loosen the screw.



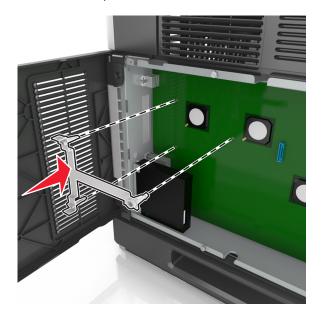
b Lift the metal cover, and then pull it out completely.







5 Align the posts of the plastic bracket to the holes on the controller board cage, and then press the plastic bracket on the controller board cage until it *clicks* into place.



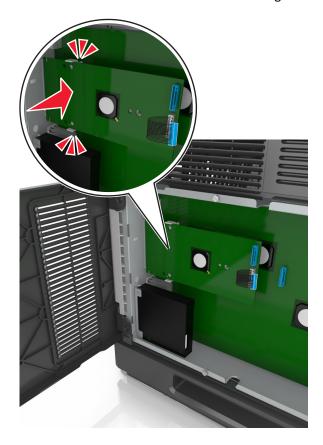
Note: Make sure that the plastic bracket has latched completely, and that the plastic bracket is seated firmly on the cage.

6 Install the ISP on the plastic bracket.

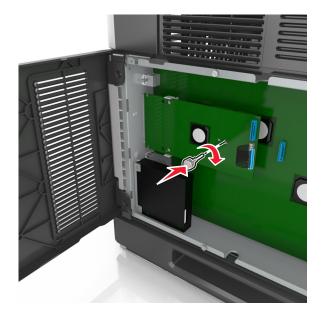


Note: Hold the ISP at an angle over the plastic bracket so that any overhanging connectors will pass through the ISP opening in the cage.

7 Lower the ISP toward the plastic bracket until the ISP is seated between the guides of the plastic bracket.

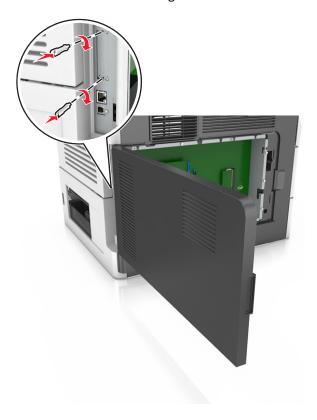


8 Use the provided thumbscrew for the ISP to attach the plastic bracket to the ISP.



Note: Turn the screw clockwise, enough to hold the ISP in place, but do not tighten it yet.

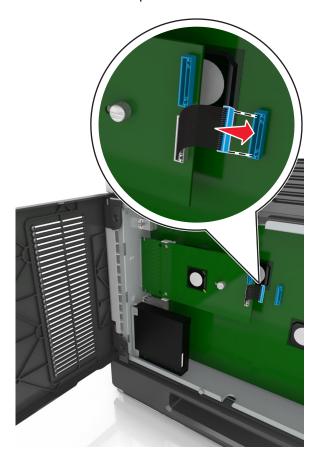
9 Attach the two provided screws to secure the ISP mounting bracket to the controller board shield.



10 Tighten the thumbscrew that is attached to the ISP.

Warning—Potential Damage: Do not screw it on too tightly.

11 Connect the ISP solution interface cable into the receptacle of the controller board.



Note: The plugs and receptacles are color-coded.

Installing a printer hard disk

Note: This task requires a flat-head screwdriver.

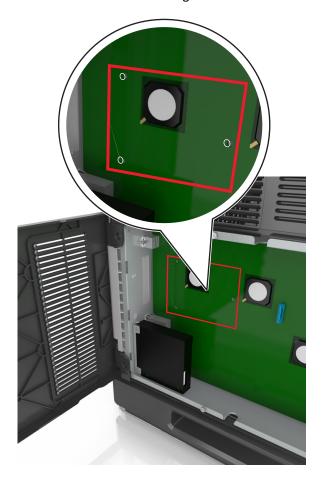


CAUTION—SHOCK HAZARD: If you are accessing the controller board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the electrical outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.

Warning—Potential Damage: Controller board electronic components are easily damaged by static electricity. Touch a metal surface on the printer before touching any controller board electronic components or connectors.

- 1 Access the controller board.
 For more information, see "Accessing the controller board" on page 27.
- 2 Unpack the printer hard disk.

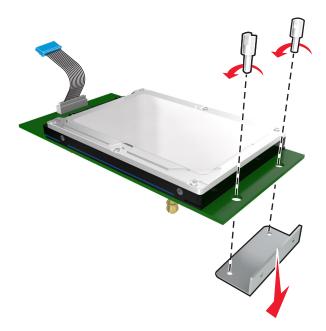
3 Locate the appropriate connector on the controller board cage.



Note: If an optional ISP is currently installed, then the printer hard disk must be installed onto the ISP.

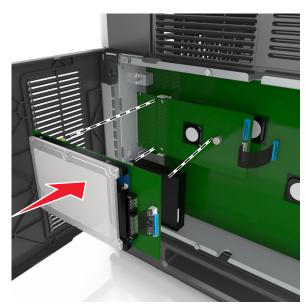
To install a printer hard disk onto the ISP:

a Remove the screws attached to the printer hard disk mounting bracket, and then remove the bracket.



b Align the standoffs of the printer hard disk to the holes in the ISP, and then press the printer hard disk down until the standoffs are in place.

Installation warning: Hold only the edges of the printed circuit board assembly. Do not touch or press on the center of the printer hard disk. Doing so may cause damage.



c Insert the plug of the printer hard disk interface cable into the receptacle of the ISP.

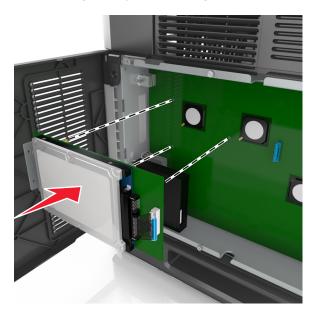
Note: The plugs and receptacles are color-coded.



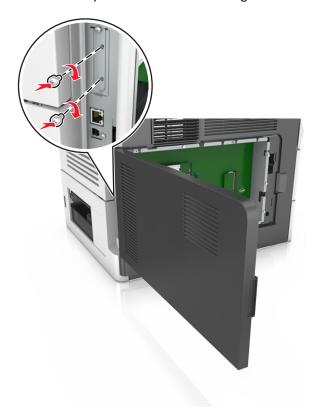
To install a printer hard disk directly on the controller board cage:

a Align the standoffs of the printer hard disk to the holes in the controller board cage, and then press the printer hard disk down until the standoffs are in place.

Installation warning: Hold only the edges of the printed circuit board assembly. Do not touch or press on the center of the printer hard disk. Doing so may cause damage.

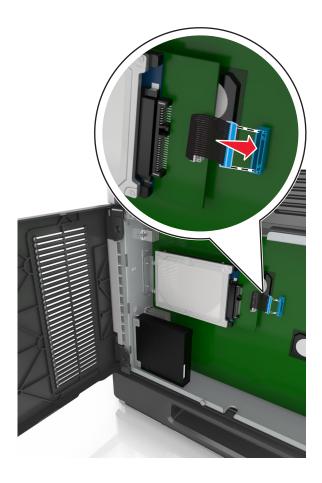


b Use the two provided screws to attach the printer hard disk mounting bracket.



c Insert the plug of the printer hard disk interface cable into the receptacle of the controller board.

Note: The plugs and receptacles are color-coded.



Removing a printer hard disk

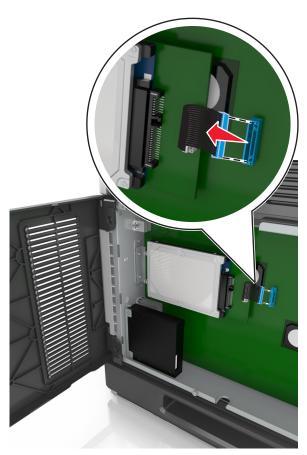
Note: This task requires a flat-head screwdriver.



CAUTION—SHOCK HAZARD: If you are accessing the controller board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the electrical outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.

Warning—Potential Damage: Controller board electronic components are easily damaged by static electricity. Touch a metal surface on the printer before touching any controller board electronic components or connectors.

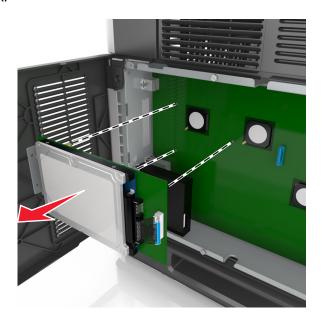
- 1 Access the controller board.
 For more information, see "Accessing the controller board" on page 27.
- 2 Unplug the printer hard disk interface cable from the controller board, leaving the cable attached to the printer hard disk. To unplug the cable, squeeze the paddle at the plug of the interface cable to disengage the latch before pulling out the cable.



Remove the screws holding the printer hard disk in place.



Remove the printer hard disk.



Set aside the printer hard disk.

Installing hardware options

Order of installation



CAUTION—POTENTIAL INJURY: The printer weight is greater than 18 kg (40 lb) and requires two or more trained personnel to lift it safely.



CAUTION—SHOCK HAZARD: If you are accessing the controller board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the electrical outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.



CAUTION—TIPPING HAZARD: Floor-mounted configurations require additional furniture for stability. You must use either a printer stand or printer base if you are using multiple input options. If you purchased a multifunction printer (MFP) that scans, copies, and faxes, then you may need additional furniture. For more information, see www.lexmark.com/multifunctionprinters.

Install the printer and any hardware options you have purchased in the following order:

- Caster base
- 2100-sheet tray or spacer
- Optional 550- or 250-sheet tray
- Printer

For more information on installing a caster base, optional 250- or 550-sheet tray, spacer, or 2100-sheet tray, see the setup sheet that came with the option.

Installing optional trays

The printer supports the following optional input sources:

- 250- or 550-sheet tray
- 2100-sheet tray



CAUTION—POTENTIAL INJURY: The printer weight is greater than 18 kg (40 lb) and requires two or more trained personnel to lift it safely.



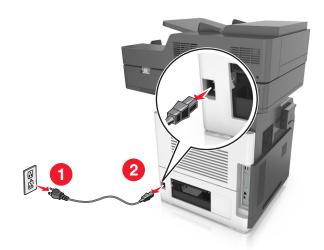
CAUTION—SHOCK HAZARD: If you are accessing the controller board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the electrical outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.



CAUTION—TIPPING HAZARD: Floor-mounted configurations require additional furniture for stability. You must use either a printer stand or printer base if you are using multiple input options. If you purchased a multifunction printer (MFP) that scans, copies, and faxes, then you may need additional furniture. For more information, see www.lexmark.com/multifunctionprinters.

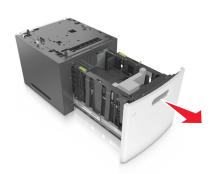
1 Turn off the printer using the power switch, and then unplug the power cord from the electrical outlet.





- **2** Unpack the optional tray, and then remove all packing material.
- **3** Pull out the tray completely from the base.





- **4** Remove any packing material from inside the tray.
- **5** Insert the tray into the base.
- **6** Place the tray near the printer.
- 7 Lock the wheels of the caster base to secure the printer, then align the printer with the tray, and then slowly lower the printer into place.

Note: Optional trays lock together when stacked.



8 Connect the power cord to the printer, then to a properly grounded electrical outlet, and then turn on the printer.





Note: When the printer software and any optional trays are installed, you may need to manually add the options in the printer driver to make them available for print jobs. For more information, see <u>"Adding available options in the print driver" on page 52</u>.

To uninstall the optional trays, slide the latch on the right side of the printer toward the front of the printer until it *clicks* into place, and then remove stacked trays one at a time from the top to the bottom.

Attaching cables



CAUTION—POTENTIAL INJURY: Do not use the fax feature during a lightning storm. Do not set up this product or make any electrical or cabling connections, such as the fax feature, power cord, or telephone, during a lightning storm.

Connect the printer to the computer using a USB cable or to the network using an Ethernet cable.

Make sure to match the following:

- The USB symbol on the cable with the USB symbol on the printer
- The appropriate Ethernet cable to the Ethernet port



	Use the	То
1	EXT port	Connect additional devices (telephone or answering machine) to the printer and the telephone line. Use this port if you do not have a dedicated fax line for the printer and if this connection method is supported in your country or region.
		Note: Remove the plug to access the port.
2	LINE port	Connect the printer to an active telephone line through a standard wall jack (RJ-11), DSL filter, or VoIP adapter, or any other adapter that allows you to access the telephone line to send and receive faxes.
3	Printer power cord socket	Connect the printer to a properly grounded electrical outlet.
4	USB printer port	Connect the printer to a computer.
5	Ethernet port	Connect the printer to a network.
6	Internal Solutions Port (ISP) or printer hard disk slot	Attach an ISP or a printer hard disk.
	Note: If the printer has support for wireless connection, then the wireless antenna is attached here.	
7	USB port	Attach an optional wireless network adapter.

Warning—Potential Damage: Do not touch the USB cable, any wireless network adapter, or the printer in the area shown while actively printing. Loss of data or a malfunction can occur.

Organizing cables

Attach the Ethernet cable and power cord, and then neatly tuck the cables in the channels at the back of the printer.



Setting up the printer software

Installing the printer

- **1** Obtain a copy of the software installer package.
- 2 Run the installer, and then follow the instructions on the computer screen.
- **3** For Macintosh users, add the printer.

Note: Obtain the printer IP address from the TCP/IP section in the Network/Ports menu.

Adding available options in the print driver

For Windows users

1 Open the printers folder.

In Windows 8

From the Search charm, type **run**, and then navigate to:

Run > type control printers > OK

In Windows 7 or earlier

- a Click , or click Start and then click Run.
- **b** Type control printers.
- c Press Enter, or click OK.
- **2** Select the printer you want to update, and then do either of the following:
 - For Windows 7 or later, select **Printer properties**.
 - For earlier versions, select **Properties**.
- 3 Navigate to the Configuration tab, and then select **Update Now Ask Printer**.
- **4** Apply the changes.

For Macintosh users

- 1 From System Preferences in the Apple menu, navigate to your printer, and then select Options & Supplies.
- 2 Navigate to the list of hardware options, and then add any installed options.
- 3 Apply the changes.

Networking

Notes:

- Purchase a MarkNet N8350 wireless network adapter before setting up the printer on a wireless network. For information on installing the wireless network adapter, see the setup sheet that came with the adapter.
- A Service Set Identifier (SSID) is a name assigned to a wireless network. Wired Equivalent Privacy (WEP), Wi-Fi Protected Access (WPA), and WPA2 are types of security used on a network.

Preparing to set up the printer on an Ethernet network

To configure your printer to connect to an Ethernet network, organize the following information before you begin:

Note: If your network automatically assigns IP addresses to computers and printers, continue on to installing the printer.

- A valid, unique IP address for the printer to use on the network
- The network gateway
- The network mask
- A nickname for the printer (optional)

Note: A printer nickname can make it easier for you to identify your printer on the network. You can choose to use the default printer nickname, or assign a name that is easier for you to remember.

You will need an Ethernet cable to connect the printer to the network and an available port where the printer can physically connect to the network. Use a new network cable when possible to avoid potential problems caused by a damaged cable.

Preparing to set up the printer on a wireless network

Notes:

- Make sure your wireless network adapter is installed in your printer and working properly. For more information, see the instruction sheet that came with the wireless network adapter.
- Make sure your access point (wireless router) is turned on and is working properly.

Make sure you have the following information before setting up the printer on a wireless network:

- **SSID**—The SSID is also referred to as the network name.
- Wireless Mode (or Network Mode)—The mode is either infrastructure or ad hoc.
- Channel (for ad hoc networks)—The channel defaults to automatic for infrastructure networks.

Some ad hoc networks will also require the automatic setting. Check with your system support person if you are not sure which channel to select.

- **Security Method**—There are four basic options for Security Method:
 - WEP key
 - If your network uses more than one WEP key, then enter up to four in the provided spaces. Select the key currently in use on the network by selecting the default WEP transmit key.
 - WPA or WPA2 preshared key or passphrase
 - WPA includes encryption as an additional layer of security. The choices are AES or TKIP. Encryption must be set for the same type on the router and on the printer, or the printer will not be able to communicate on the network.
 - 802.1X-RADIUS

If you are installing the printer on an 802.1X network, then you may need the following:

- Authentication type
- Inner authentication type
- 802.1X user name and password
- Certificates
- No security

If your wireless network does not use any type of security, then you will not have any security information.

Note: We do not recommend using an unsecured wireless network.

Notes:

- If you do not know the SSID of the network that your computer is connected to, then launch the wireless utility
 of the computer network adapter, and then look for the network name. If you cannot find the SSID or the
 security information for your network, then see the documentation that came with the access point, or contact
 your system support person.
- To find the WPA/WPA2 preshared key or passphrase for the wireless network, see the documentation that
 came with the access point, see the Embedded Web Server associated with the access point, or consult your
 system support person.

Connecting the printer using the Wireless Setup Wizard

Before you begin, make sure that:

- A wireless network adapter is installed in the printer and is working properly. For more information, see the instruction sheet that came with the wireless network adapter.
- An Ethernet cable is disconnected from the printer.
- Active NIC is set to Auto. To set this to Auto, navigate to:



Note: Make sure to turn off the printer, then wait for at least five seconds, and then turn the printer back on.

1 From the printer control panel, navigate to:

> Network/Ports > Network [x] > Network [x] Setup > Wireless > Wireless Connection Setup

2 Select a wireless connection setup.

Use	То	
Search for networks	Show available wireless connections.	
	Note: This menu item shows all broadcast secured or unsecured SSIDs.	
Enter a network name	eer a network name Manually type the SSID.	
	Note: Make sure to type the correct SSID.	
Wi-Fi Protected Setup	Connect the printer to a wireless network using Wi-Fi Protected Setup.	

3 Follow the instructions on the printer display.

Connecting the printer to a wireless network using Wi-Fi Protected Setup

Before you begin, make sure that:

- The access point (wireless router) is Wi-Fi Protected Setup (WPS) certified or WPS-compatible. For more information, see the documentation that came with your access point.
- A wireless network adapter installed in your printer is attached and working properly. For more information, see the instruction sheet that came with the wireless network adapter.

Using the Push Button Configuration method

1 From the printer control panel, navigate to:

> Network/Ports > Network [x] > Network [x] Setup > Wireless > Wireless Connection Setup > Wi-Fi Protected Setup > Start Push Button Method

2 Follow the instructions on the printer display.

Using the Personal Identification Number (PIN) method

1 From the printer control panel, navigate to:

> Network/Ports > Network [x] > Network [x] Setup > Wireless > Wireless Connection Setup > Wi-Fi Protected Setup > Start PIN Method

2 Copy the eight-digit WPS PIN.

3 Open a Web browser, and then type the IP address of your access point in the address field.

Notes:

- The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 4 Access the WPS settings. For more information, see the documentation that came with your access point.
- **5** Enter the eight-digit PIN, and then save the setting.

Connecting the printer to a wireless network using the Embedded Web Server

Before you begin, make sure that:

- Your printer is connected temporarily to an Ethernet network.
- A wireless network adapter is installed in your printer and working properly. For more information, see the instruction sheet that came with the wireless network adapter.
- 1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- View the printer IP address on the printer control panel. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > Network/Ports > Wireless.
- **3** Modify the settings to match the settings of your access point (wireless router).

Note: Make sure to enter the correct SSID, security method, preshared key or passphrase, network mode, and channel.

- 4 Click Submit.
- **5** Turn off the printer, and then disconnect the Ethernet cable. Then wait for at least five seconds, and then turn the printer back on.
- **6** To verify if your printer is connected to the network, print a network setup page. Then in the Network Card [x] section, see if the status is Connected.

Changing port settings after installing a new network ISP

Notes:

- If the printer has a static IP address, then you do not need to make any changes.
- If the computers are configured to use the network name, instead of an IP address, then you do not need to make any changes.
- If you are adding a wireless ISP to a printer previously configured for an Ethernet connection, then make sure the printer is disconnected from the Ethernet network.

For Windows users

- 1 Open the printers folder.
- **2** From the shortcut menu of the printer with the new ISP, open the printer properties.

- **3** Configure the port from the list.
- 4 Update the IP address.
- 5 Apply the changes.

For Macintosh users

- 1 From System Preferences in the Apple menu, navigate to the list of printers, and then select + > IP.
- **2** Type the IP address in the address field.
- 3 Apply the changes.

Setting up serial printing (Windows only)

After installing the serial or communication (COM) port, configure the printer and the computer.

Note: Serial printing reduces print speed.

- **1** Set the parameters in the printer.
 - **a** From the control panel, navigate to the menu for the port settings.
 - **b** Locate the menu for the serial port settings, and then adjust the settings, if necessary.
 - c Save the settings.
- **2** From your computer, open the printers folder, and then select your printer.
- 3 Open the printer properties, and then select the COM port from the list.
- **4** Set the COM port parameters in Device Manager.

Use the Run dialog box to open the command prompt, and then type devmgmt.msc.

Verifying printer setup

When all hardware and software options are installed and the printer is turned on, verify that the printer is set up correctly by printing the following:

- Menu settings page—Use this page to verify that all printer options are installed correctly. A list of installed options
 appears toward the bottom of the page. If an option you installed is not listed, then it is not installed correctly.
 Remove the option, and then install it again.
- **Network setup page**—If your printer has Ethernet or wireless capability and is attached to a network, then print a network setup page to verify the network connection. This page also provides important information that aids network printing configuration.

Printing a menu settings page

From the home screen, navigate to:

> Reports > Menu Settings Page

Printing a network setup page

If the printer is attached to a network, then print a network setup page to verify the network connection. This page also provides important information that aids network printing configuration.

1 From the home screen, navigate to:



2 Check the first section of the network setup page, and confirm that the status is Connected.

If the status is **Not Connected**, then the LAN drop may not be active, or the network cable may be malfunctioning. Consult a system support person for a solution, and then print another network setup page.

Loading paper and specialty media

The selection and handling of paper and specialty media can affect how reliably documents print. For more information, see "Avoiding jams" on page 254 and "Storing paper" on page 84.

Setting the paper size and type

From the home screen navigate to:



> Paper Menu > Paper Size/Type > select a tray > select the paper size or type >



Configuring Universal paper settings

Universal paper size is a user-defined setting that lets you print on paper sizes that are not preset in the printer menus.

Notes:

- The smallest supported Universal size is 70 x 127 mm (2.76 x 5 inches) for one-sided printing and 105 x 148 mm (4.13 x 5.83 inches) for two-sided (duplex) printing.
- The largest supported Universal size is 216 x 356 mm (8.5 x 14 inches) for one-sided and two-sided printing.
- When printing on paper less than 210 mm (8.3 inches) wide, the printer may print at a reduced speed after a period of time to ensure the best print performance.
- **1** From the home screen, navigate to:
 - > Paper Menu > Universal Setup > Units of Measure > select a unit of measure
- 2 Touch Portrait Width or Portrait Height.
- **3** Select the width or height, and then touch **Submit**.

Loading the 250- or 550-sheet tray



CAUTION—POTENTIAL INJURY: To reduce the risk of equipment instability, load each tray separately. Keep all other trays closed until needed.

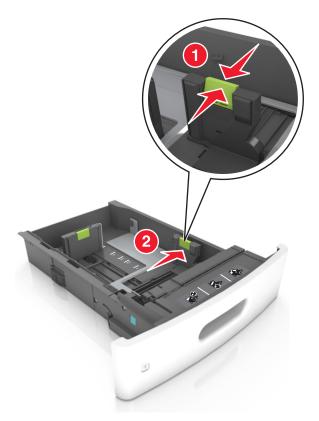
1 Pull out the tray.

Notes:

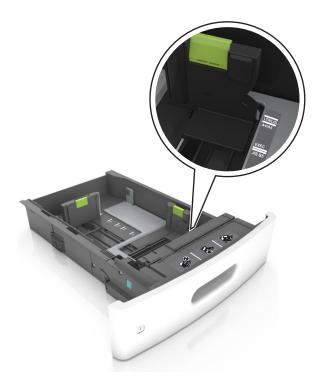
- When loading folio-, legal-, or Oficio-size paper, lift the tray slightly, and then pull it out completely.
- Avoid removing trays while a job prints or while Busy appears on the display. Doing so may cause a jam.



2 Squeeze and slide the width guide to the correct position for the size of the paper being loaded until it *clicks* into place.



Note: Use the paper size indicators at the bottom of the tray to help position the guides.



3 Unlock the length guide, and then squeeze and slide the guide to the correct position for the size of the paper being loaded.



Notes:

- Lock the length guide for all paper sizes.
- Use the paper size indicators at the bottom of the tray to help position the guides.

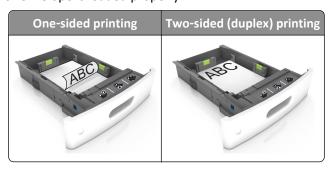


4 Flex the sheets back and forth to loosen them, and then fan them. Do not fold or crease the paper. Straighten the edges on a level surface.



5 Load the paper stack with the printable side facedown for one-sided printing.

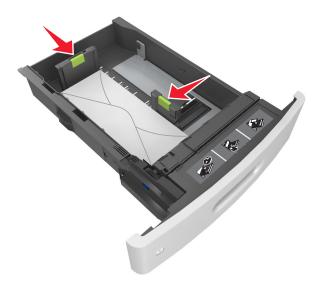
Note: Make sure the paper or envelope is loaded properly.



• Do not slide the paper into the tray. Load paper as shown in the illustration.



• If you are loading envelopes, then make sure that the flap side is facing up and the envelopes are on the left side of the tray.



• Make sure the paper is below the solid line, which is the maximum paper fill indicator.



Warning—Potential Damage: Overfilling the tray can cause paper jams.

• When using card stock, labels, or other types of specialty media, make sure the paper is below the dashed line, which is the alternate paper fill indicator.



6 For custom- or Universal-size paper, adjust the paper guides to lightly touch the sides of the stack, and then lock the length guide.

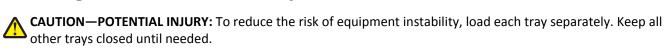
7 Insert the tray.



8 From the printer control panel, set the paper size and paper type in the Paper menu to match the paper loaded in the tray.

Note: Set the correct paper size and type to avoid paper jams and print quality problems.

Loading the 2100-sheet tray



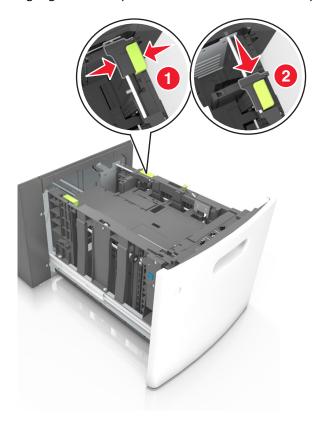
- 1 Pull out the tray completely.
- **2** Adjust the width and length guides.

Loading A5-size paper

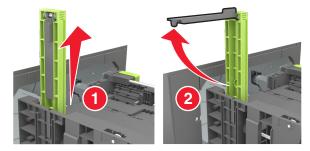
a Pull up and slide the width guide to the position for A5.



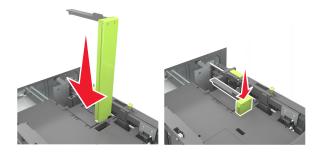
b Squeeze, and then slide the length guide to the position for A5 until it *clicks* into place.



c Remove the A5 length guide from its holder.



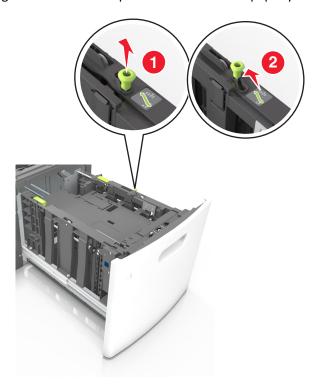
d Insert the A5 length guide into its designated slot.



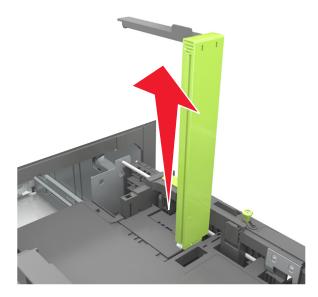
Note: Press the A5 length guide until it *clicks* into place.

Loading A4-, letter-, legal-, oficio-, and folio-size paper

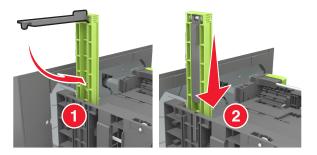
a Pull up and slide the width guide to the correct position for the size of paper you are loading.



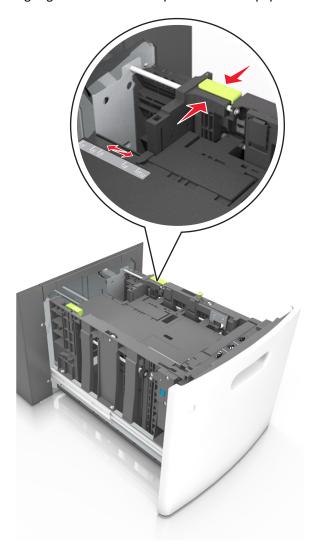
b If the A5 length guide is still attached to the length guide, then remove it from its place. If the A5 length guide is not attached, then proceed to step d.



c Put the A5 length guide in its holder.



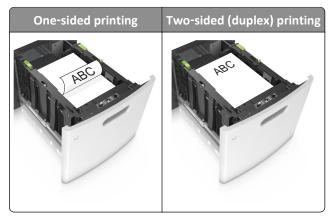
d Squeeze, and then slide the length guide to the correct position for the paper size you are loading.



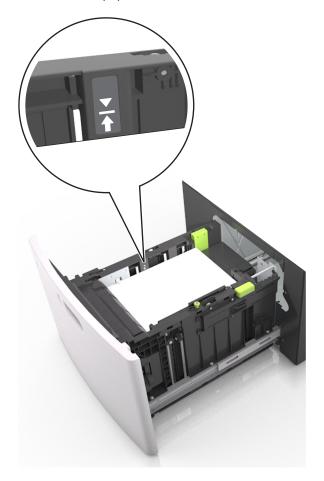
3 Flex the sheets back and forth to loosen them, and then fan them. Do not fold or crease the paper. Straighten the edges on a level surface.



- 4 Load the paper stack with the printable side facedown for one-sided printing.
 - Make sure the paper is loaded properly.



• Make sure the paper is below the maximum paper fill indicator.



Warning—Potential Damage: Overfilling the tray can cause paper jams.

5 Insert the tray.

Note: Press the paper stack down while inserting the tray.



6 From the printer control panel, set the paper size and paper type in the Paper menu to match the paper loaded in the tray.

Note: Set the correct paper size and type to avoid paper jams and print quality problems.

Loading the multipurpose feeder

1 Pull down the multipurpose feeder door.

Note: Do not load or close the multipurpose feeder while a job is printing.



2 Pull the multipurpose feeder extender.



Note: Guide the extender gently so that the multipurpose feeder is fully extended and open.

3 Slide the width guide to the correct position for the size of the paper you are loading.



Note: Use the paper size indicators on the bottom of the tray to help position the guides.



- **4** Prepare the paper or specialty media for loading.
 - Flex the sheets back and forth to loosen them, and then fan them. Do not fold or crease the paper. Straighten the edges on a level surface.



• Hold transparencies by the edges, and then fan them. Straighten the edges on a level surface.



Note: Avoid touching the printable side of the transparencies. Be careful not to scratch them.

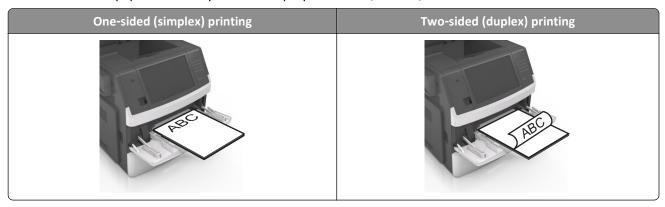
• Flex the stack of envelopes back and forth to loosen them, and then fan them. Straighten the edges on a level surface.



5 Load the paper or specialty media.

Note: Slide the stack gently into the multipurpose feeder until it comes to a stop.

- Load only one size and type of paper or specialty media at a time.
- Make sure the paper fits loosely in the multipurpose feeder, lies flat, and is not bent or wrinkled.



• Load envelopes with the flap side down and on the left of the multipurpose feeder.



Warning—Potential Damage: Never use envelopes with stamps, clasps, snaps, windows, coated linings, or self-stick adhesives. These envelopes may severely damage the printer.

• Make sure the paper or specialty media is below the maximum paper fill indicator.

Warning—Potential Damage: Overfilling the feeder can cause paper jams.



- **6** For custom- or Universal- size paper, adjust the width guides to lightly touch the sides of the stack.
- **7** From the printer control panel, set the paper size and type in the Paper menu to match the paper loaded in the tray.

Note: Set the correct paper size and type to avoid paper jams and print quality problems.

Linking and unlinking trays

The printer links trays when the specified paper size and type are the same. When a linked tray becomes empty, paper feeds from the next linked tray. To prevent trays from linking, assign a unique custom paper type name.

Linking and unlinking trays

1 Open a Web browser, and then type the printer IP address in the address field.

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > Paper Menu.
- **3** Change the paper size and type settings for the trays you are linking.
 - To link trays, make sure the paper size and type for the tray match that of the other tray.
 - To unlink trays, make sure the paper size or type for the tray does not match that of the other tray.
- 4 Click Submit.

Note: You can also change the paper size and type settings using the printer control panel. For more information, see <u>"Setting the paper size and type" on page 59</u>.

Warning—Potential Damage: Paper loaded in the tray should match the paper type name assigned in the printer. The temperature of the fuser varies according to the specified paper type. Printing issues may occur if settings are not properly configured.

Creating a custom name for a paper type

Using the Embedded Web Server

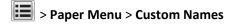
1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > Paper Menu > Custom Names.
- **3** Select a custom name, and then type a custom paper type name.
- 4 Click Submit.
- 5 Click **Custom Types**, and then verify if the new custom paper type name has replaced the custom name.

Using the printer control panel

1 From the home screen, navigate to:



- **2** Select a custom name, and then type a custom paper type name.
- 3 Touch Submit.
- 4 Touch **Custom Types**, and then verify if the new custom paper type name has replaced the custom name.

Assigning a custom paper type

Using the Embedded Web Server

Assign a custom paper type name to a tray when linking or unlinking trays.

1 Open a Web browser, and then type the printer IP address in the address field.

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > Paper Menu > Custom Types.

3 Select a custom paper type name, and then select a paper type.

Note: Paper is the factory default paper type for all user-defined custom names.

4 Click Submit.

Using the printer control panel

1 From the home screen, navigate to:



2 Select a custom paper type name, and then select a paper type.

Note: Paper is the factory default paper type for all user-defined custom names.

3 Touch Submit.

Paper and specialty media guide

Notes:

- Make sure that the paper size, type, and weight are set correctly on the computer or on the control panel.
- Flex, fan, and straighten specialty media before loading them.
- The printer may print at a reduced speed to prevent damage to the fuser.
- For more information on card stock and labels, see the *Card Stock & Label Guide* on the Lexmark support Web site at http://support.lexmark.com.

Using specialty media

Tips on using card stock

Card stock is heavy, single-ply specialty media. Many of its variable characteristics, such as moisture content, thickness, and texture, can significantly affect print quality.

- From the printer control panel, set the paper size, type, texture, and weight in the Paper menu to match the card stock loaded in the tray.
- Print samples on the card stock being considered for use before buying large quantities.
- Specify the paper texture and weight from the tray settings to match the paper loaded in the tray.
- Preprinting, perforation, and creasing may significantly affect the print quality and cause jams or other paper feed problems.
- Before loading the card stock on the tray, flex and fan the card stock to loosen them. Straighten the edges on a level surface.

Tips on using envelopes

- From the printer control panel, set the paper size, type, texture, and weight in the Paper menu to match the envelopes loaded in the tray.
- Print samples on the envelopes being considered for use before buying large quantities.
- Use envelopes designed specifically for laser printers.
- For best performance, use envelopes made from 90-g/m² (24-lb) paper or 25% cotton.
- Use only new envelopes from undamaged packages.
- To optimize performance and minimize jams, do not use envelopes that:
 - Have excessive curl or twist.
 - Are stuck together or damaged in any way.
 - Have windows, holes, perforations, cutouts, or embossing.
 - Have metal clasps, string ties, or folding bars.
 - Have an interlocking design.
 - Have postage stamps attached.
 - Have any exposed adhesive when the flap is in the sealed or closed position.

- Have bent corners.
- Have rough, cockle, or laid finishes.
- Adjust the width guides to fit the width of the envelopes.
- Before loading the envelopes on the tray, flex the stack of envelopes back and forth to loosen them, and then fan them. Straighten the edges on a level surface.

Note: A combination of high humidity (over 60%) and high printing temperature may wrinkle or seal envelopes.

Tips on using labels

- From the printer control panel, set the paper size, type, texture, and weight in the Paper menu to match the labels loaded in the tray.
- Print samples on labels being considered for use before buying large quantities.
- For more information on label printing, characteristics, and design, see the *Card Stock & Label Guide* at http://support.lexmark.com.
- Use labels designed specifically for laser printers.
- Do not use labels with slick backing material.
- Use full label sheets. Partial sheets may cause labels to peel off during printing, resulting in a jam. Partial sheets also contaminate the printer and the cartridge with adhesive, and could void the printer and toner cartridge warranties.
- Do not use labels with exposed adhesive.
- Before loading labels on the tray, flex and fan labels to loosen them. Straighten the edges on a level surface.

Tips on using letterhead

- Use letterhead designed specifically for laser printers.
- Print samples on the letterhead being considered for use before buying large quantities.
- Before loading letterhead, flex and fan the sheets to prevent them from sticking together.
- Page orientation is important when printing on letterhead.

Source	Printing	Printable side	Paper orientation
Trays	One-sided	Facedown	Load the sheet with the top edge toward the front of the tray.
Trays	Two-sided	Faceup	Load the sheet with the bottom edge entering the printer first.
Multipurpose feeder	One-sided	Faceup	Load the sheet with the top edge entering the printer first.
Multipurpose feeder	Two-sided	Facedown	Load the sheet with the bottom edge entering the printer first.

Note: Check with the manufacturer or vendor to determine whether the preprinted letterhead is acceptable for laser printers.

Tips on using transparencies

- From the printer control panel, set the paper size, type, texture, and weight in the Paper menu to match the transparencies loaded in the tray.
- Print a test page on the transparencies being considered for use before buying large quantities.
- Use transparencies designed specifically for laser printers.
- Avoid getting fingerprints on the transparencies to prevent print quality problems.
- · Before loading transparencies, flex and fan the sheets to prevent them from sticking together.
- When printing on large volumes of transparencies, make sure to print by batches of only up to 20 with an interval
 of at least three minutes between batches, to prevent the transparencies from sticking together in the bin. You can
 also remove transparencies from the bin by batches of 20.

Paper guidelines

Paper characteristics

The following paper characteristics affect print quality and reliability. Consider these factors before printing on them:

Weight

The printer trays and multipurpose feeder can automatically feed paper weights between $60-176 \text{ g/m}^2$ (16-47-lb) grain long paper. The 2100-sheet tray can automatically feed paper weights up to $60-135 \text{ g/m}^2$ (16-36-lb) grain long paper. Paper lighter than 60 g/m^2 (16 lb) might not be stiff enough to feed properly, and may cause jams.

Note: Two-sided printing is supported for 60–176 g/m² (16–47-lb) paper.

Curl

Curl is the tendency for paper to curl at its edges. Excessive curl can cause paper feeding problems. Curl can occur after the paper passes through the printer, where it is exposed to high temperatures. Storing paper unwrapped in hot, humid, cold, or dry conditions, even in the trays, can contribute to paper curling prior to printing and can cause feeding problems.

Smoothness

Paper smoothness directly affects print quality. If paper is too rough, toner cannot fuse to it properly. If paper is too smooth, it can cause paper feeding or print quality issues. Always use paper between 100 and 300 Sheffield points; smoothness between 150 and 250 Sheffield points produces the best print quality.

Moisture content

The amount of moisture in paper affects both print quality and the ability of the printer to feed the paper correctly. Leave paper in its original wrapper until it is time to use it. This limits the exposure of paper to moisture changes that can degrade its performance.

Store paper in its original wrapper in the same environment as the printer for 24 to 48 hours before printing. Extend the time several days if the storage or transportation environment is very different from the printer environment. Thick paper may also require a longer conditioning period.

Grain direction

Grain refers to the alignment of the paper fibers in a sheet of paper. Grain is either *grain long*, running the length of the paper, or *grain short*, running the width of the paper.

For 60–176 g/m² (16–47-lb) paper, grain long paper is recommended.

Fiber content

Most high-quality xerographic paper is made from 100% chemically treated pulped wood. This content provides the paper with a high degree of stability, resulting in fewer paper feeding problems and better print quality. Paper containing fibers such as cotton can negatively affect paper handling.

Selecting paper

Using the appropriate paper prevents jams and helps ensure trouble-free printing.

To help avoid paper jams and poor print quality:

- Always use new, undamaged paper.
- Before loading paper, know the recommended printable side of the paper. This information is usually indicated on the paper package.
- Do not use paper that has been cut or trimmed by hand.
- Do not mix paper sizes, types, or weights in the same tray; mixing results in jams.
- Do not use coated papers unless they are specifically designed for electrophotographic printing.

Selecting preprinted forms and letterhead

- Use grain long for 60–90-g/m² (16–24-lb) paper.
- Use only forms and letterhead printed using an offset lithographic or engraved printing process.
- Avoid paper with rough or heavily textured surfaces.
- Use inks that are not affected by the resin in toner. Inks that are oxidation-set or oil-based generally meet these requirements; latex inks might not.
- Print samples on preprinted forms and letterheads considered for use before buying large quantities. This determines whether or not the ink in the preprinted form or letterhead will affect print quality.
- When in doubt, contact your paper supplier.

Using recycled paper and other office papers

As an environmentally conscientious company, Lexmark supports the use of recycled paper produced specifically for use in laser (electrophotographic) printers.

While no blanket statement can be made that all recycled paper will feed well, Lexmark consistently tests papers that represent recycled cut size copier papers available on the global market. This scientific testing is conducted with rigor and discipline. Many factors are taken into consideration both separately and as a whole, including the following:

- Amount of post-consumer waste (Lexmark tests up to 100% post-consumer waste content.)
- Temperature and humidity conditions (Testing chambers simulate climates from all over the world.)
- Moisture content (Business papers should have low moisture: 4–5%.)
- Bending resistance and proper stiffness means optimum feeding through the printer.

- Thickness (impacts how much can be loaded into a tray)
- Surface roughness (measured in Sheffield units, impacts print clarity and how well toner fuses to the paper)
- Surface friction (determines how easily sheets can be separated)
- Grain and formation (impacts curling, which also influences the mechanics of how the paper behaves as it moves through the printer)
- Brightness and texture (look and feel)

Recycled papers are better than ever; however, the amount of recycled content in a paper affects the degree of control over foreign matter. And while recycled papers are one good path to printing in an environmentally responsible manner, they are not perfect. The energy required to de-ink and deal with additives such as colorants and "glue" often generates more carbon emissions than does normal paper production. However, using recycled papers enables better resource management overall.

Lexmark concerns itself with the responsible use of paper in general based on life cycle assessments of its products. To gain a better understanding of the impact of printers on the environment, the company commissioned a number of life cycle assessments and found that paper was identified as the primary contributor (up to 80%) of carbon emissions caused throughout the entire life of a device (from design to end-of-life). This is due to the energy-intensive manufacturing processes required to make paper.

Thus, Lexmark seeks to educate customers and partners on minimizing the impact of paper. Using recycled paper is one way. Eliminating excessive and unnecessary paper consumption is another. Lexmark is well-equipped to help customers minimize printing and copying waste. In addition, the company encourages purchasing paper from suppliers who demonstrate their commitment to sustainable forestry practices.

Lexmark does not endorse specific suppliers, although a converter's product list for special applications is maintained. However, the following paper choice guidelines will help alleviate the environmental impact of printing:

- **1** Minimize paper consumption.
- **2** Be selective about the origin of wood fiber. Buy from suppliers who carry certifications such as the Forestry Stewardship Council (FSC) or The Program for the Endorsement of Forest Certification (PEFC). These certifications guarantee that the paper manufacturer uses wood pulp from forestry operators that employ environmentally and socially responsible forest management and restoration practices.
- **3** Choose the most appropriate paper for printing needs: normal 75 or 80 g/m² certified paper, lower weight paper, or recycled paper.

Unacceptable paper examples

Test results indicate that the following paper types are at risk for use with laser printers:

- Chemically treated papers used to make copies without carbon paper, also known as carbonless papers
- Preprinted papers with chemicals that may contaminate the printer
- Preprinted papers that can be affected by the temperature in the printer fuser
- Preprinted papers that require a registration (the precise location on the page) greater than ± 2.3 mm (± 0.9 in.), such as optical character recognition (OCR) forms. In some cases, registration can be adjusted with a software application to successfully print on these forms.)
- Coated papers (erasable bond), synthetic papers, thermal papers
- Rough-edged, rough or heavily textured surface papers or curled papers
- Recycled papers that fail EN12281:2002 (European testing)
- Paper weighing less than 60 g/m² (16 lb)
- Multiple part forms or documents

For more information about Lexmark, visit <u>www.lexmark.com</u>. General sustainability-related information can be found at the **Environmental Sustainability** link.

Storing paper

Use these paper storage guidelines to help avoid jams and uneven print quality:

- For best results, store paper where the temperature is 21°C (70°F) and the relative humidity is 40 percent. Most label manufacturers recommend printing in a temperature range of 18–24°C (65–75°F) with relative humidity between 40 and 60 percent.
- Store paper in cartons, on a pallet or shelf, rather than on the floor.
- Store individual packages on a flat surface.
- Do not store anything on top of individual paper packages.
- Take paper out of the carton or wrapper only when you are ready to load it in the printer. The carton and wrapper help keep the paper clean, dry, and flat.

Supported paper sizes, types, and weights

The following tables provide information on standard and optional paper sources and the sizes, types, and weights of paper they support.

Note: For an unlisted paper size, select the closest *larger* listed size.

Paper sizes supported by the printer

Note: When printing on paper less than 210 mm (8.3 inches) wide, the printer may print at a reduced speed after a period of time to ensure the best print performance.

Paper size ¹	Dimensions	Standard or optional 250- or 550-sheet tray	2100-sheet tray	Multipurpose feeder	Duplex	ADF	Scanner glass
A4	210 x 297 mm (8.3 x 11.7 in.)	✓	✓	✓	✓	✓	✓
A5	148 x 210 mm (5.8 x 8.3 in.)	✓	√ 2	✓	✓	✓	✓
A6	105 x 148 mm (4.1 x 5.8 in.)	✓	х	√	√	✓	✓
JIS B5	182 x 257 mm (7.2 x 10.1 in.)	✓	х	✓	√	✓	✓

¹ If your preferred default paper size cannot be set in the printer control panel, then you may select common paper sizes that correspond to the position of the length guide in the tray from the Paper Size/Type menu. If the paper size is not available, then select **Universal** or turn off tray size sensing. For more information, contact customer support.

² Paper is supported in long-edge orientation.

³ Universal is supported in ADF only if the width is from 76 mm (3 in.) to 216 mm (8.5 in.), and the length is from 127 mm (5 in.) to 356 mm (14 in.).

Paper size ¹	Dimensions	Standard or optional 250- or 550-sheet tray	2100-sheet tray	Multipurpose feeder	Duplex	ADF	Scanner glass
Letter	216 x 279 mm (8.5 x 11 in.)	√	✓	√	✓	✓	✓
Legal	216 x 356 mm (8.5 x 14 in.)	√	✓	✓	✓	✓	✓
Executive	184 x 267 mm (7.3 x 10.5 in.)	√	x	✓	✓	✓	✓
Oficio (México)	216 x 340 mm (8.5 x 13.4 in.)	√	✓	✓	✓	✓	✓
Folio	216 x 330 mm (8.5 x 13 in.)	√	✓	√	✓	✓	✓
Statement	140 x 216 mm (5.5 x 8.5 in.)	√	х	✓	✓	✓	✓
Universal	105 x 148 mm to 216 x 356 mm (4.13 x 5.83 in. to 8.5 x 14 in.)	✓	х	√	✓	✓	✓
	70 x 127 mm to 216 x 356 mm (2.76 x 5 in. to 8.5 x 14 in.)	х	х	√	x	√ 3	✓
7 3/4 Envelope (Monarch)	98 x 191 mm (3.9 x 7.5 in.)	√	х	✓	х	х	✓
9 Envelope	98 x 225 mm (3.9 x 8.9 in.)	√	х	✓	х	х	✓
10 Envelope	105 x 241 mm (4.1 x 9.5 in.)	√	х	√	х	х	✓
DL Envelope	110 x 220 mm (4.3 x 8.7 in.)	√	х	√	х	х	✓
C5 Envelope	162 x 229 mm (6.38 x 9.01 in.)	√	х	√	х	х	✓
B5 Envelope	176 x 250 mm (6.93 x 9.84 in.)	√	х	√	х	х	✓

¹ If your preferred default paper size cannot be set in the printer control panel, then you may select common paper sizes that correspond to the position of the length guide in the tray from the Paper Size/Type menu. If the paper size is not available, then select **Universal** or turn off tray size sensing. For more information, contact customer support.

² Paper is supported in long-edge orientation.

³ Universal is supported in ADF only if the width is from 76 mm (3 in.) to 216 mm (8.5 in.), and the length is from 127 mm (5 in.) to 356 mm (14 in.).

Paper size ¹	Dimensions	Standard or optional 250- or 550-sheet tray	2100-sheet tray	Multipurpose feeder	Duplex	ADF	Scanner glass
Other Envelope	98 x 162 mm (3.9 x 6.4 in.) to 176 x 250 mm (6.9 x 9.8 in.)	✓	х	✓	x	x	√

¹ If your preferred default paper size cannot be set in the printer control panel, then you may select common paper sizes that correspond to the position of the length guide in the tray from the Paper Size/Type menu. If the paper size is not available, then select **Universal** or turn off tray size sensing. For more information, contact customer support.

Paper types and weights supported by the printer

The printer engine supports 60–176-g/m² (16–47-lb) paper weights.

Note: Labels, transparencies, envelopes, and card stock always print at reduced speed.

Paper type	250- or 550-sheet tray	2100-sheet tray	Multipurpose feeder	Duplex	ADF	Scanner glass
Paper	✓	✓	✓	✓	✓	\
Card Stock	✓	х	✓	✓	х	✓
Plain Envelope	✓	х	✓	х	х	✓
Rough Envelope	✓	х	✓	х	х	✓
Paper Labels	✓	х	✓	х	√	✓
Pharmacy Labels	✓	х	✓	✓	✓	✓
Transparencies*	✓	х	✓	х	✓	✓

^{*} Print transparencies in batches of only up to 20 to prevent them from sticking together. For more information, see <u>"Tips on using transparencies"</u> on page 81.

² Paper is supported in long-edge orientation.

³ Universal is supported in ADF only if the width is from 76 mm (3 in.) to 216 mm (8.5 in.), and the length is from 127 mm (5 in.) to 356 mm (14 in.).

Printing

Printing forms and a document

Printing forms

Use Forms and Favorites to quickly and easily access frequently used forms or other information that is regularly printed. Before you can use this application, first set it up on the printer. For more information, see <u>"Setting up Forms and Favorites"</u> on page 22.

1 From the home screen, navigate to:

Forms and Favorites > select the form from the list > enter the number of copies > adjust other settings

2 Apply the changes.

Printing a document

- 1 From the Paper menu on the printer control panel, set the paper type and size to match the paper loaded.
- 2 Send the print job:

For Windows users

- a With a document open, click File > Print.
- b Click Properties, Preferences, Options, or Setup.
- c Adjust the settings, if necessary.
- d Click OK > Print.

For Macintosh users

- **a** Customize the settings in the Page Setup dialog:
 - 1 With a document open, choose File > Page Setup.
 - **2** Choose a paper size or create a custom size to match the paper loaded.
 - 3 Click OK.
- **b** Customize the settings in the Print dialog:
 - With a document open, choose File > Print.
 If necessary, click the disclosure triangle to see more options.
 - **2** From the Print dialog and pop-up menus, adjust the settings if necessary.

Note: To print on a specific paper type, adjust the paper type setting to match the paper loaded, or select the appropriate tray or feeder.

3 Click Print.

Adjusting toner darkness

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

• View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.

- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > Print Settings > Quality Menu > Toner Darkness.
- 3 Adjust the toner darkness, and then click Submit.

Using the printer control panel

- 1 From the home screen, navigate to:
 - > Settings > Print Settings > Quality Menu > Toner Darkness
- 2 Adjust the setting, and then touch **Submit**.

Printing from a flash drive or mobile device

Printing from a flash drive

Notes:

- Before printing an encrypted PDF file, you will be prompted to type the file password from the printer control panel.
- You cannot print files for which you do not have printing permissions.
- 1 Insert a flash drive into the USB port.



Notes:

• A flash drive icon appears on the printer home screen when a flash drive is inserted.

• If you insert the flash drive when the printer requires attention, such as when a jam has occurred, then the printer ignores the flash drive.

• If you insert the flash drive while the printer is processing other print jobs, then **Busy** appears on the printer display. After these print jobs are processed, you may need to view the held jobs list to print documents from the flash drive.

Warning—Potential Damage: Do not touch the USB cable, any wireless network adapter, any connector, the memory device, or the printer in the areas shown while actively printing, reading, or writing from the memory device. Loss of data can occur.



- **2** From the printer control panel, touch the document you want to print.
- **3** Touch the arrows to get a preview of the document.
- **4** Use to specify the number of copies to be printed, and then touch **Print**.

Notes:

- Do not remove the flash drive from the USB port until the document has finished printing.
- If you leave the flash drive in the printer after leaving the initial USB menu screen, then touch **Held Jobs** on the home screen to print files from the flash drive.

Supported flash drives and file types

- High-speed USB flash drives must support the full-speed standard. Low-speed USB devices are not supported.
- USB flash drives must support the File Allocation Table (FAT) system. Devices formatted with New Technology File System (NTFS) or any other file system are not supported.

Recommended flash drives	File type
Lexar JumpDrive FireFly (512MB and 1GB)	Documents:
SanDisk Cruzer Micro (512MB and 1GB)	• .pdf
Sony Micro Vault Classic (512MB and 1GB)	• .xps
	Images:
	• .dcx
	• .gif
	• .jpeg or .jpg
	• .bmp
	• .pcx
	• .tiff or .tif
	• .png
	• .fls

Printing from a mobile device

To download a compatible mobile printing application, visit www.lexmark.com/mobile.

Note: Mobile printing applications may also be available from your mobile device manufacturer.

Printing confidential and other held jobs

Storing print jobs in the printer

1 From the printer control panel, navigate to:



> Security > Confidential Print > select the print job type

Use	То
Max Invalid PIN	Limit the number of times an invalid PIN can be entered.
	Note: When the limit is reached, the print jobs for that user name and PIN are deleted.
Confidential Job Expiration	Hold print jobs in the computer until you enter the PIN from the printer control panel.
	Note: The PIN is set from the computer. It must be four digits, using the numbers 1–9.
Repeat Job Expiration	Print and store print jobs in the printer memory.
Verify Job Expiration	Print one copy of a print job and hold the remaining copies. It allows you to examine if the first copy is satisfactory. The print job is automatically deleted from the printer memory when all copies are printed.
Reserve Job Expiration	Store print jobs for printing at a later time.
	Note: The print jobs are held until deleted from the Held Jobs menu.

Use To

Notes:

• Confidential, Verify, Reserve, and Repeat print jobs may be deleted if the printer requires extra memory to process additional held jobs.

- You can set the printer to store print jobs in the printer memory until you start the print job from the printer control panel.
- All print jobs that can be initiated by the user at the printer are called *held jobs*.
- 2 Touch Submit.

Printing confidential and other held jobs

Note: Confidential and Verify print jobs are automatically deleted from memory after printing. Repeat and Reserve jobs are *held* in the printer until you delete them.

For Windows users

- 1 With a document open, click File > Print.
- 2 Click Properties, Preferences, Options, or Setup.
- 3 Click Print and Hold.
- **4** Select the print job type (Confidential, Repeat, Reserve, or Verify), and then assign a user name. For a confidential print job, also enter a four-digit PIN.
- 5 Click OK or Print.
- **6** From the printer home screen, release the print job.
 - For confidential print jobs, navigate to:
 - **Held jobs** > select your user name > **Confidential Jobs** > enter the PIN > **Print**
 - For other print jobs, navigate to:
 - Held jobs > select your user name > select the print job > specify the number of copies > Print

For Macintosh users

- 1 With a document open, choose File > Print.
 - If necessary, click the disclosure triangle to see more options.
- 2 From the print options or Copies & Pages pop-up menu, choose Job Routing.
- **3** Select the print job type (Confidential, Repeat, Reserve, or Verify), and then assign a user name. For a confidential print job, also enter a four-digit PIN.
- 4 Click OK or Print.
- **5** From the printer home screen, release the print job.
 - For confidential print jobs, navigate to:
 - **Held jobs** > select your user name > **Confidential Jobs** > enter the PIN > **Print**
 - For other print jobs, navigate to:
 - Held jobs > select your user name > select the print job > specify the number of copies > Print

Modifying confidential print settings

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > Security > Confidential Print Setup.
- **3** Modify the settings:
 - Set a maximum number of PIN entry attempts. When a user exceeds that number, all of the jobs for that user are deleted.
 - Set an expiration time for confidential print jobs. When a user has not printed the jobs within that time, all of the jobs for that user are deleted.
- 4 Click Submit to save the modified settings.

Printing information pages

Printing a font sample list

1 From the home screen, navigate to:



2 Touch PCL Fonts or PostScript Fonts.

Printing a directory list

A directory list shows the resources stored in a flash memory or in the printer hard disk.

From the home screen, navigate to:



Canceling a print job

Canceling a print job from the printer control panel

- 1 From the printer control panel, touch Cancel Job or press X on the keypad.
- **2** Touch the print job you want to cancel, and then touch **Delete Selected Jobs**.

Note: If you press **x** on the keypad, then touch **Resume** to return to the home screen.

Canceling a print job from the computer

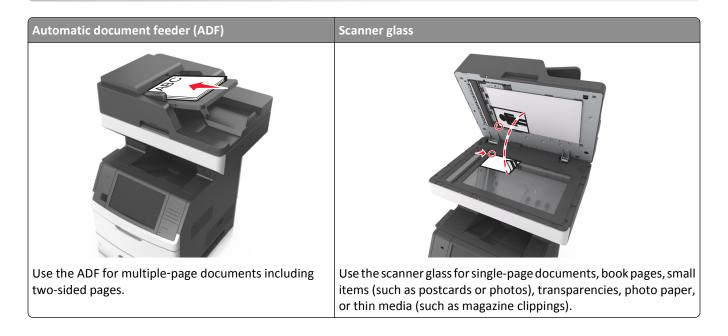
For Windows users

- 1 Open the printers folder, and then select your printer.
- 2 From the print queue, select the print job you want to cancel, and then delete it.

For Macintosh users

- **1** From System Preferences in the Apple menu, navigate to your printer.
- 2 From the print queue, select the print job you want to cancel, and then delete it.

Copying



Making copies

Making a quick copy

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.

Note: To avoid a cropped image, make sure the size of the original document and the size of the copy paper are the same.

3 From the printer control panel, press



Copying using the ADF

1 Load an original document faceup, short edge first into the ADF tray.

Notes:

• Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.

- The ADF indicator light comes on when the paper is loaded properly.
- **2** Adjust the paper guides.
- 3 From the home screen, navigate to:

Copy > specify the copy settings > Copy It

Copying using the scanner glass

- 1 Place an original document facedown on the scanner glass in the upper left corner.
- **2** From the home screen, navigate to:

Copy > specify the copy settings > Copy It

If you have more pages to scan, then place the next document on the scanner glass, and then touch **Scan the next page**.

3 Touch Finish the Job.

Copying photos

- 1 Place a photo facedown on the scanner glass in the upper left corner.
- **2** From the home screen, navigate to:

Copy > Content > Photo >

3 From the Content Source menu, navigate to:

Photo/Film >
✓ > Copy It

Note: If you have more photos to copy, then place the next photo on the scanner glass, and then touch **Scan the next page**.

4 Touch Finish the Job.

Copying on specialty media

Copying on transparencies

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- **2** From the home screen, navigate to:

Copy > Copy from > select the size of the original document >

3 Navigate to:

Copy to > select the tray that contains transparencies > **Copy It**

If there are no trays that contain transparencies, then navigate to:

Manual Feeder > ✓ > select the size of the transparencies > ✓ > Transparency > ✓

4 Load transparencies into the multipurpose feeder, and then touch Copy It.

Copying on letterhead

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** From the home screen, navigate to:

Copy > **Copy from** > select the size of the original document > ✓

4 Navigate to:

Copy to > select the tray containing the letterhead > Copy It

5 If there are no trays that support letterhead, then navigate to:

Manual Feeder > select the size of the letterhead > Letterhead

6 Load the letterhead faceup, top edge first into the multipurpose feeder, and then touch Copy It.

Creating a copy shortcut using the printer control panel

- 1 From the home screen, touch Copy.
- 2 Adjust the copy settings, and then touch Save as Shortcut.

Note: If you change the settings after the copy shortcut has been created, then the settings are not saved.

- **3** Type a unique name for the shortcut, and then touch **Done**.
- 4 Verify that the shortcut name is correct, and then touch OK.
 If the shortcut name is incorrect, then touch Cancel, and then reenter the information.

- The shortcut name appears in the Copy Shortcuts icon on the printer home screen.
- You can use the shortcut when copying another document using the same settings.

Customizing copy settings

Copying to a different size

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** From the home screen, navigate to:

Copy > Copy from > select the size of the original document >

4 Navigate to:

Copy to > select a new size for the copy > > Copy It

Making copies using paper from a selected tray

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** From the home screen, navigate to:

Copy > Copy from > select the size of the original document >

4 Navigate to:

Copy to > select the tray containing the paper type you want to use >

5 Touch Copy It.

Copying different paper sizes

Use the ADF to copy original documents with different paper sizes. Depending on the paper sizes loaded and the "Copy to" and "Copy from" settings, each copy is either printed on mixed paper sizes (Example 1) or scaled to fit a single paper size (Example 2).

Example 1: Copying on mixed paper sizes

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

• Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.

- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** From the home screen, navigate to:

Copy > Copy from > Mixed Sizes > ✓

4 Navigate to:

Copy to > Auto Size Match > ✓ > Copy It

The scanner identifies the different paper sizes as they are scanned. Copies are printed on mixed paper sizes corresponding to the paper sizes of the original document.

Example 2: Copying on a single paper size

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** From the home screen, navigate to:

Copy > Copy from > Mixed Sizes > ✓

4 Navigate to:

Copy to > Letter > > Copy It

The scanner identifies the different paper sizes as they are scanned, and then scales the mixed paper sizes to fit on the paper size selected.

Copying on both sides of the paper (duplexing)

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.

3 From the home screen, navigate to:

Copy > Sides (Duplex) > select the preferred duplexing method

Note: For the preferred duplexing method, the first number represents sides of the original documents while the second number represents sides of the copy. For example, select "2 sided to 2 sided" if you have two-sided original documents and you want two-sided copies.

4 Touch

✓ > Copy It.

Reducing or enlarging copies

Copies can be scaled from 25% to 400% of the original document size.

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- 3 From the home screen, touch Copy.
- 4 From the Scale area, touch or to decrease or increase the value by 1%.

Touching "Copy to" or "Copy from" after setting Scale manually changes the scale value back to Auto.

Note: Auto is the factory default setting. This automatically adjusts the scan image of the original document to fit the size of the paper onto which you are copying.

5 Touch Copy It.

Adjusting copy quality

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** From the home screen, navigate to:

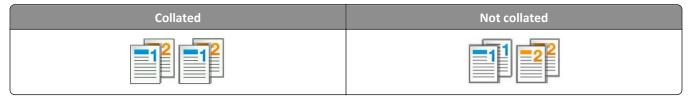
Copy > Content

- 4 Touch the button that best represents the content type of the document you are copying.
 - **Text**—The content of the original document is mostly text or line art.
 - Text/Photo—The original document is a mixture of text, graphics, and photos.
 - **Photo**—The original document is mostly a photo or an image.
 - **Graphics**—The original document is mostly business-type graphics, such as pie charts, bar charts, and animations.

- 5 Touch
- **6** Touch the button that best represents the content source of the document you are copying.
 - Color Laser—The original document was printed using a color laser printer.
 - Inkjet—The original document was printed using an inkjet printer.
 - Magazine—The original document is from a magazine.
 - Press—The original document was printed using a printing press.
 - Black/White Laser—The original document was printed using a mono laser printer.
 - Photo/Film—The original document is a photo from a film.
 - **Newspaper**—The original document is from a newspaper.
 - Other—The original document was printed using an alternate or unknown printer.
- 7 Touch ✓ > Copy It.

Collating copies

If you print multiple copies of a document, then you can choose to print the copies as a set (collated) or to print the copies as groups of pages (not collated).



1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** From the home screen, navigate to:

Copy > enter the number of copies > Collate > select the preferred order of pages > Copy It

Placing separator sheets between copies

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.

3 From the home screen, navigate to:

Copy > Advanced Options > Separator Sheets

Note: Set Collate to "1,2,3 - 1,2,3" to place separator sheets between copies. If Collate is set to "1,1,1 - 2,2,2," then the separator sheets are added to the end of the copy job. For more information, see "Collating copies" on page 100.

- **4** Select one of the following:
 - Between Copies
 - Between Jobs
 - Between Pages
 - Off
- 5 Touch ✓ > Copy It.

Copying multiple pages onto a single sheet

In order to save paper, you can copy either two or four consecutive pages of a multiple-page document onto a single sheet of paper.

Notes:

- Make sure to set the paper size to letter, legal, A4, or JIS B5.
- Make sure to set the copy size to 100%.
- 1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** From the home screen, navigate to:

Note: If Paper Saver is set to Off, then the Print Page Borders option is unavailable.

Creating a custom copy job

The custom copy job or job build is used to combine one or more sets of original documents into a single copy job. Each set may be scanned using different job parameters. When a copy job is submitted and Custom Job is enabled, the scanner scans the first set of original documents using the specified settings, and then it scans the next set with the same or different settings.

The definition of a set depends on the scan source:

- If you scan a document on the scanner glass, then a set consists of one page.
- If you scan multiple pages using the ADF, then a set consists of all scanned pages until the ADF tray becomes empty.
- If you scan one page using the ADF, then a set consists of one page.

For example:

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** From the home screen, navigate to:

Note: When the end of a set is reached, the scan screen appears.

4 Load the next document faceup, short edge first into the ADF tray or facedown on the scanner glass, and then touch Scan from automatic feeder or Scan from flatbed.

Note: Change the scan job settings, if necessary.

5 If you have another document to scan, then repeat the previous step. Otherwise, touch **Finish the job**.

Placing information on copies

Placing a header or footer on pages

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF, then adjust the paper guides.
- **3** From the home screen, navigate to:

Copy > **Advanced Options** > **Header/Footer** > select where you want to place the header or footer > select the type of header or footer you want

- 4 Enter the required information depending on the header or footer you selected, and then touch Done.
- 5 Touch , and then press

Placing an overlay message on each page

An overlay message can be placed on each page. The message choices are Urgent, Confidential, Copy, Custom, and Draft.

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

• Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.

- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** From the home screen, navigate to:

Copy > Advanced Options > Overlay > select overlay message > Done > Copy It

Canceling a copy job

Canceling a copy job while the original document is in the ADF

When the ADF begins processing a document, touch Cancel Job on the printer control panel.

Canceling a copy job while copying pages using the scanner glass

From the home screen, touch Cancel Job.

Canceling appears on the display. When the job is canceled, the Copy screen appears.

Canceling a copy job while pages are being printed

- **1** From the printer control panel, touch **Cancel Job** or press **X** on the keypad.
- 2 Touch the job you want to cancel, and then touch **Delete Selected Jobs**.

Note: If you press on the keypad, then touch **Resume** to return to the home screen.

Understanding the copy options

Copy from

This option opens a screen where you can select the paper size of the original document.

- Touch the paper size that matches the original document.
- To copy an original document that contains mixed paper sizes with the same width, touch Mixed Sizes.
- To set the printer to automatically detect the size of the original document, touch Auto Size Sense.

Copy to

This option opens a screen where you can enter the paper size and type on which your copies will be printed.

- Touch the paper size and type that matches the paper loaded.
- If the settings for "Copy from" and "Copy to" are different, then the printer automatically adjusts the Scale setting
 to accommodate the difference.

• If the paper type or size that you want to copy onto is not loaded in one of the trays, then touch **Manual Feeder**, and manually load the paper in the multipurpose feeder.

When "Copy to" is set to Auto Size Match, each copy matches the paper size of the original document. If a matching
paper size is not in one of the trays, then Paper size not found appears and prompts to load a paper in a
tray or multipurpose feeder.

Scale

This option lets you scale the document from 25% to 400% of the original document size. You can also set automatic scaling.

- When copying to a different paper size, such as from legal-size to letter-size paper, set the "Copy from" and "Copy to" paper sizes automatically to scale the scan image to fit the size of the paper onto which you are copying.
- To decrease or increase the value by 1%, touch on the printer control panel. To make a continuous decrease or increase in value, hold the button for two seconds or more.

Darkness

This option lets you adjust how light or dark the copies are in relation to the original document.

Sides (Duplex)

This option lets you make one- or two-sided copies from one- or two-sided original documents.

Collate

This option keeps the pages of a print job stacked in sequence when printing multiple copies of the document.

Copies

This option lets you set the number of copies to be printed.

Content

This option lets you set the original document type and source.

Select from the following content types:

- Graphics—The original document is mostly business-type graphics such as pie charts, bar charts, and animations.
- **Photo**—The original document is mostly a photo or an image.
- **Text**—The content of the original document is mostly text or line art.
- Text/Photo—The original document is a mixture of text, graphics, and photos.

Select from the following content sources:

- Black/White Laser—The original document was printed using a mono laser printer.
- Color Laser—The original document was printed using a color laser printer.
- Inkjet—The original document was printed using an inkjet printer.
- Magazine—The original document is from a magazine.

- **Newspaper**—The original document is from a newspaper.
- Other—The original document was printed using an alternate or unknown printer.
- **Photo/Film**—The original document is a photo from film.
- **Press**—The original document was printed using a printing press.

Save As Shortcut

This option lets you save the current settings by assigning a shortcut name.

Note: Selecting this option automatically assigns the next available shortcut number.

Using the advanced options

Select from the following settings:

- Advanced Duplex—This specifies the document orientation, whether documents are one-sided or two-sided, and how documents are bound.
- Advanced Imaging—This changes or adjusts Auto Center, Background Removal, Color Balance, Color Dropout,
 Contrast, Mirror Image, Negative Image, Scan Edge to Edge, Shadow Detail, and Sharpness settings before you copy
 the document.
- Create Booklet—This creates a booklet. You can choose between one-sided and two-sided.

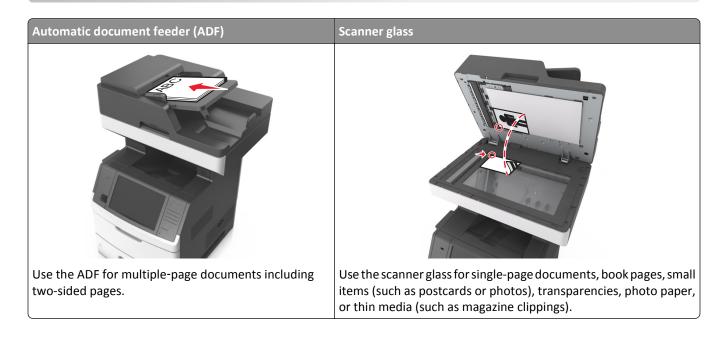
Note: This option appears only when a hard disk is installed.

- Cover Page Setup—This sets up the cover page of copies and booklets.
- **Custom Job**—This combines multiple scanning jobs into a single job.
- **Edge Erase**—This removes smudges or marks around the edges of a document. You can choose to remove an equal area around all four sides of the paper, or pick a particular edge.
- **Header/Footer**—This inserts date or time, page number, Bates number, or custom text, and then prints them in the specified header or footer location.
- Margin Shift—This increases or reduces the size of the margin of a page by shifting the scanned image. Touch or to set the margin you want. If the additional margin is too large, then the copy is cropped.
- Overlay—This creates a watermark (or message) that overlays the content of your copy. You can choose from Urgent, Confidential, Copy, and Draft, or you can enter a custom message in the "Enter custom text" field. The word you pick appears, faintly, in large print across each page.
- Paper Saver—This prints two or more pages of an original document on the same page. Paper Saver is also called *N-up* printing where *N* stands for the number of pages.
- **Separator Sheets**—This places a blank sheet of paper between copies, pages, or print jobs. The separator sheets can be drawn from a tray that contains a type or color of paper that is different from the paper your copies are printed on.
- Multifeed Sensor—This detects when the ADF picks more than one sheet of paper at a time, and then displays an
 error message.

Note: This option is supported only in some printer models.

E-mailing 106

E-mailing



Setting up the printer to e-mail

Setting up the e-mail function

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > E-mail/FTP Settings > E-mail Settings.
- **3** Enter the appropriate information, and then click **Submit**.

Configuring e-mail settings

1 Open a Web browser, and then type the printer IP address in the address field.

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > E-mail/FTP Settings > E-mail Settings.
- 3 Enter the appropriate information, and then click **Submit**.

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Creating an e-mail shortcut

Creating an e-mail shortcut using the Embedded Web Server

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings.
- 3 From the Other Settings column, click Manage Shortcuts > E-mail Shortcut Setup.
- **4** Type a unique name for the e-mail recipient, and then type the e-mail address. If you are entering multiple addresses, then separate each address with a comma.
- 5 Click Add.

Creating an e-mail shortcut using the printer control panel

1 From the home screen, navigate to:

E-mail > Recipient > type an e-mail address

To create a group of recipients, touch **Next address**, and then type the next recipient's e-mail address.

- 2 Touch Subject, then type the e-mail subject, and then touch Done.
- **3** Touch **Message**, then type your message, and then touch **Done**.
- 4 Adjust the e-mail settings.

Note: If you change the settings after the e-mail shortcut has been created, then the settings are not saved.





- **6** Type a unique name for the shortcut, and then touch **Done**.
- 7 Verify that the shortcut name is correct, and then touch **OK**.

If the shortcut name is incorrect, then touch **Cancel**, and then reenter the information.

- The shortcut name appears in the E-mail Shortcuts icon on the printer home screen.
- You can use the shortcut when e-mailing another document using the same settings.

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E-mailing a document

Note: You can also e-mail scanned documents by using the Multi Send or MyShortcut application from the home screen. For more information, see "Activating the home screen applications" on page 22.

Sending an e-mail using the printer control panel

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.

Note: To avoid a cropped image, make sure that the size of the original document and the copy paper size are the same.

3 From the home screen, navigate to:

E-mail > Recipient(s)

4 Type the e-mail address, or press # using the keypad, and then enter the shortcut number.

Notes:

- To enter additional recipients, touch **Next address**, and then enter the address or shortcut number you want to add.
- You can also enter an e-mail address using the address book.
- 5 Touch Done > Send It.

Sending an e-mail using a shortcut number

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- 3 Press #, then enter the shortcut number using the keypad, and then touch

Note: To enter additional recipients, touch **Next address**, and then enter the address or shortcut number that you want to add.

4 Touch Send It.

Sending an e-mail using the address book

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

 Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.

- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** From the home screen, navigate to:

E-mail > Recipient(s) > | > type the name of the recipient > Search

4 Touch the name of the recipient.

Note: To enter additional recipients, touch **Next address**, and then enter the address or shortcut number that you want to add, or search the address book.

5 Touch Done.

Customizing e-mail settings

Adding e-mail subject and message information

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- **2** If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** From the home screen, navigate to:
 - **E-mail** > **Recipient(s)** > type the e-mail address > **Done**
- **4** Touch **Subject**, then type the e-mail subject, and then touch **Done**.
- **5** Touch **Message**, then type your message, and then touch **Done**.

Changing the output file type

- 1 Load an original document into the ADF tray or on the scanner glass.
- 2 From the home screen, navigate to:

E-mail > Recipient(s) > type the e-mail address > Done > Send as

3 Select the file type you want to send.

Note: If you select Secure PDF, then you will be prompted to enter your password twice.

4 Touch ✓ > Send It.

Canceling an e-mail

- When using the ADF, touch Cancel Job while Scanning appears.
- When using the scanner glass, touch Cancel Job while Scanning appears, or while Scan the Next Page / Finish the Job appears.

Understanding the e-mail options

Recipient(s)

This option lets you enter the recipient of your e-mail. You may enter multiple e-mail addresses.

Subject

This option lets you type a subject line for your e-mail.

Message

This option lets you type a message that will be sent with your scanned attachment.

File Name

This option lets you customize the attachment file name.

Save As Shortcut

This option lets you save the current settings as a shortcut by assigning a shortcut name.

Note: Selecting this option automatically assigns the next available shortcut number.

Original Size

This option lets you set the paper size of the documents you are going to e-mail. When Original Size is set to Mixed Sizes, you can scan an original document that contains mixed paper sizes (letter- and legal-size pages).

Darkness

This option lets you adjust how light or dark your scanned documents are in relation to the original document.

Resolution

This option lets you adjust the output quality of your e-mail. Increasing the image resolution increases the e-mail file size and the time needed to scan your original document. Decreasing the image resolution reduces the file size.

Content

This option lets you set the original document type and source.

Select from the following content types:

- Graphics—The original document is mostly business-type graphics, such as pie charts, bar charts, and animations.
- Photo—The original document is mostly a photo or an image.
- **Text**—The content of the original document is mostly text or line art.
- **Text/Photo**—The original document is a mixture of text, graphics, and photos.

Select from the following content sources:

- Black/White Laser—The original document was printed using a mono laser printer.
- Color Laser—The original document was printed using a color laser printer.
- Inkjet—The original document was printed using an inkjet printer.
- Magazine—The original document is from a magazine.
- **Newspaper**—The original document is from a newspaper.
- Other—The original document was printed using an alternate or unknown printer.
- Photo/Film—The original document is a photo from film.
- Press—The original document was printed using a printing press.

Send As

This option lets you set the output type for the scan image.

Select one of the following:

- PDF—Use this to create a single file with multiple pages. This can be sent as a secured or compressed file.
- TIFF—Use this to create multiple files or a single file. If Multi-page TIFF is turned off in the Settings menu of the Embedded Web Server, then TIFF saves one page in each file. The file size is usually larger than an equivalent JPEG.
- JPEG—Use this to create and attach a separate file for each page of your original document.
- XPS—Use this to create a single XPS file with multiple pages.

Page Setup

This option lets you change the following settings:

- **Sides (Duplex)**—This specifies if the original document is printed on only one side or on both sides of the paper. This also identifies what needs to be scanned for inclusion in the e-mail.
- **Orientation**—This specifies the orientation of the original document, and then changes the Sides (Duplex) and Binding settings to match the orientation.
- Binding—This specifies if the original document is bound on the long-edge or short-edge side.

Scan Preview

This option lets you view the first page of the image before it is included in the e-mail. When the first page is scanned, the scanning is paused and a preview image appears.

Note: This option appears only when a working printer hard disk is installed.

Using the advanced options

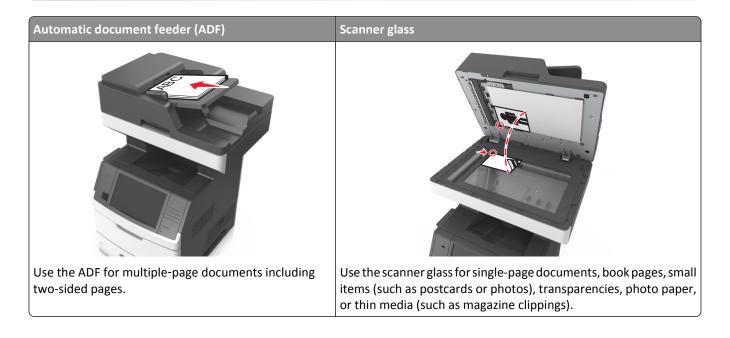
Select from the following settings:

Advanced Imaging—This adjusts the Background Removal, Color Balance, Color Dropout, Contrast, JPEG Quality,
Mirror Image, Negative Image, Scan Edge to Edge, Shadow Detail, Sharpness, and Temperature settings before you
e-mail the document.

- **Custom Job**—This combines multiple scanning jobs into a single job.
- Edge Erase—This removes smudges or marks around the edges of a document. You can choose to remove an equal area around all four sides of the paper, or pick a particular edge. Edge Erase will erase whatever is within the area selected, leaving nothing on that portion of the scan.
- Transmission Log—This prints the transmission log or transmission error log.
- **Multifeed Sensor**—This detects when the ADF picks more than one sheet of paper at a time, and then displays an error message.

Note: This option is supported only in select printer models.

Faxing



Setting up the printer to fax



CAUTION—SHOCK HAZARD: Do not use the fax feature during a lightning storm. Do not set up this product or make any electrical or cabling connections, such as the fax feature, power cord, or telephone, during a lightning storm.

Notes:

- The following connection methods are applicable only in some countries or regions.
- During the initial printer setup, clear the fax function check box and any other function you plan to set up later, and then touch **Continue**.
- The indicator light may blink red if the fax function is enabled and not fully set up.

Warning—Potential Damage: Do not touch cables or the printer in the area shown while actively sending or receiving a fax.



Initial fax setup

Many countries and regions require outgoing faxes to contain the following information in a margin at the top or bottom of each transmitted page, or on the first page of the transmission: fax name (identification of the business, other entity, or individual sending the message) and fax number (telephone number of the sending fax machine, business, other entity, or individual). For more information, see <u>"Regulatory notices for telecommunication terminal equipment" on page 343</u>.

To enter your fax setup information, use the printer control panel, or use your browser to access the Embedded Web Server and then enter the Settings menu.

Note: If you do not have a TCP/IP environment, then you must use the printer control panel to enter your fax setup information.

Using the printer control panel for fax setup

When the printer is turned on for the first time, a series of start-up screens appear. If the printer has fax capabilities, then the Fax Name and Fax Number screens appear.

- 1 When the Fax Name screen appears, do the following:
 - a Enter the name to be printed on all outgoing faxes.
 - **b** Enter the fax name, and then touch **Submit**.
- 2 When the Fax Number screen appears, enter the fax number, and then touch **Submit**.

Using the Embedded Web Server for fax setup

1 Open a Web browser, and then type the printer IP address in the address field.

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > Fax Settings > Analog Fax Setup.
- **3** In the Fax Name field, type the name to be printed on all outgoing faxes.
- 4 In the Fax Number field, enter the printer fax number.
- 5 Click Submit.

Choosing a fax connection

Scenario 1: Standard telephone line

Setup 1: Printer is connected to a dedicated fax line



To connect:

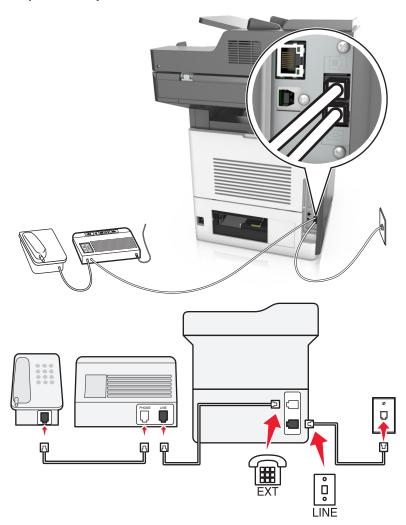
- 1 Connect one end of the telephone cable that came with the printer to the [a] port of the printer.
- **2** Connect the other end of the telephone cable to an active analog wall jack.

Tips for this setup:

- You can set the printer to receive faxes automatically (Auto Answer On) or manually (Auto Answer Off).
- If you want to receive faxes automatically (Auto Answer On), then set the printer to pick up on any number of rings that you want.

Setup 2: Printer is sharing the line with an answering machine

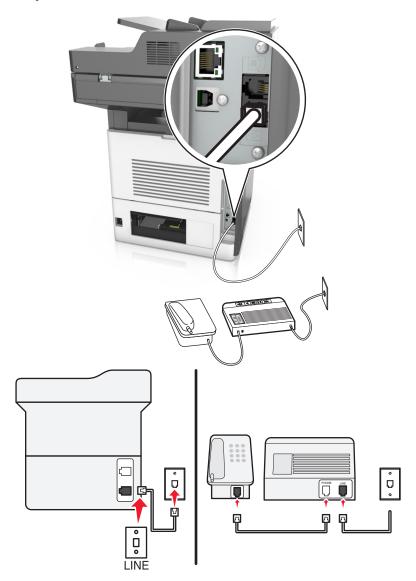
Connected to the same telephone wall jack



To connect:

- 1 Connect one end of the telephone cable that came with the printer to the [a] port of the printer.
- **2** Connect the other end of the telephone cable to an active analog wall jack.
- **3** Connect the answering machine to the printer.

Connected to different wall jacks



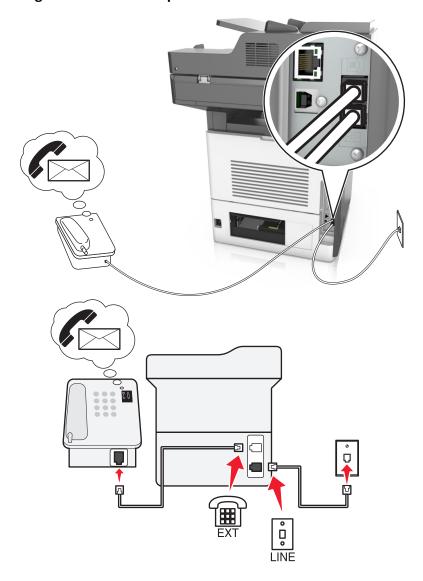
To connect:

- 1 Connect one end of the telephone cable that came with the printer to the [] port of the printer.
- **2** Connect the other end of the telephone cable to an active analog wall jack.

Tips for this setup:

- If you have only one telephone number on your line, then you need to set the printer to receive faxes automatically (Auto Answer On).
- Set the printer to pick up calls two rings after the answering machine. For example, if the answering machine picks up calls after four rings, then set the printer to pick up after six rings. This way, the answering machine picks up calls first and your voice calls are received. If the call is a fax, then the printer detects the fax signal on the line and takes over the call.
- If you subscribe to a distinctive ring service provided by your telephone company, then make sure that you set the correct ring pattern for the printer. Otherwise, the printer does not receive faxes even if you have set it to receive faxes automatically.

Setup 3: Printer is sharing the line with a telephone subscribed to voice mail service



To connect:

- 1 Connect one end of the telephone cable that came with the printer to the [e] port of the printer.
- **2** Connect the other end of the telephone cable to an active analog wall jack.
- **3** Connect the telephone to the printer.

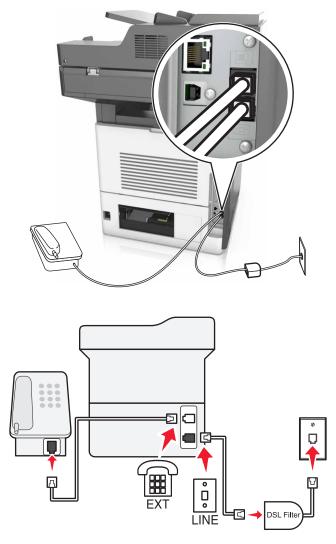
Tips for this setup:

- This setup works best if you subscribe to a distinctive ring service. If you have distinctive ring service, then make sure that you set the correct ring pattern for the printer. Otherwise, the printer does not receive faxes even if you have set it to receive faxes automatically.
- If you have only one telephone number on your line, then you need to set the printer to receive faxes manually (Auto Answer Off).

When you answer the telephone and you hear fax tones, press *9* or the manual answer code on the telephone to receive the fax.

• You can also set the printer to receive faxes automatically (Auto Answer On), but you need to turn off the voice mail service when you are expecting a fax. This setting works best if you are using voice mail more often than fax.

Scenario 2: Digital Subscriber Line (DSL)



A Digital Subscriber Line splits your regular telephone line into two channels: voice and Internet. Telephone and fax signals travel through the voice channel, and Internet signals pass through the other channel. This way, you can use the same line for analog voice calls (including faxes) and digital Internet access.

To minimize interference between the two channels and ensure a quality connection, you need to install a DSL filter for the analog devices (fax machine, telephone, answering machine) in your network. Interference causes noise and static on the telephone, failed and poor quality faxes for the printer, and slow Internet connection on your computer.

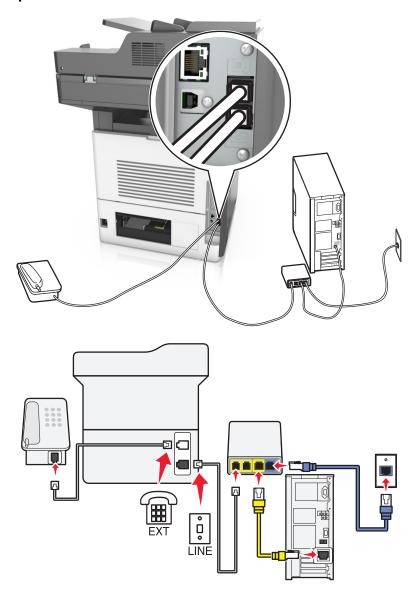
Note: Contact your DSL provider to obtain a DSL filter.

To install a filter for the printer:

- **1** Connect the line port of the DSL filter to the wall jack.
- 2 Connect one end of the telephone cable that came with your printer to the port of the printer. Connect the other end to the phone port on the DSL filter.

3 To connect a telephone to the printer, remove any installed adapter plug from the printer, and then connect the telephone to the port.

Scenario 3: VoIP telephone service



To connect:

- 1 Connect one end of the telephone cable that came with the printer to the printer.
- 2 Connect the other end of the cable to the port labeled **Phone Line 1** or **Phone Port** on the VoIP adapter.

Note: The port labeled **Phone Line 2** or **Fax Port** is not always active. VoIP providers may charge additional cost for activation of the second phone port.

3 Connect the telephone to the printer.

Tips for this setup:

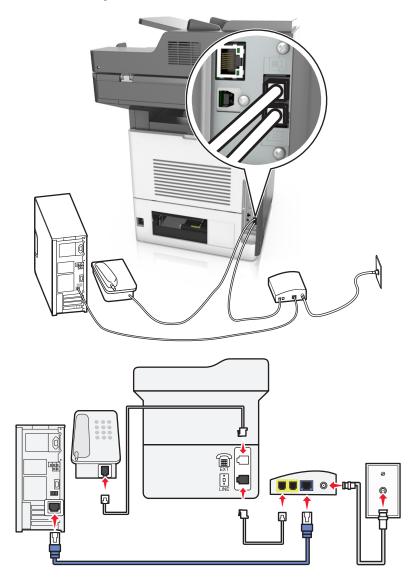
• To make sure that the phone port on the VoIP adapter is active, plug an analog telephone into the phone port, and then listen for a dial tone. If you hear a dial tone, then the port is active.

• If you need two phone ports for your devices, but do not want to pay additional cost, then do not plug the printer into the second phone port. You can use a phone splitter. Plug the phone splitter into the port labeled **Phone Line**1 or **Phone Port**, and then plug the printer and telephone into the splitter.

Note: Make sure you use a phone splitter, *not* a line splitter. To make sure that you are using the correct splitter, plug an analog telephone into the splitter and then listen for a dial tone.

Scenario 4: Digital telephone service through a cable provider

Setup 1: Printer is connected directly to a cable modem



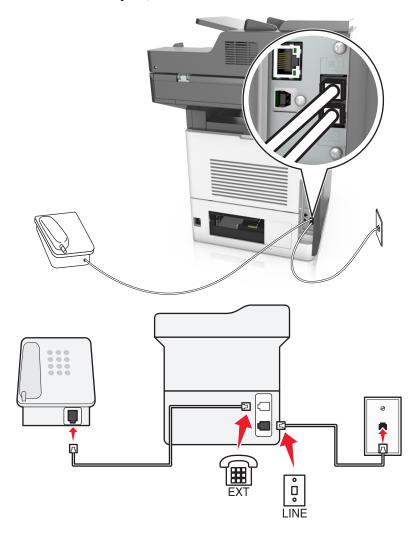
- 1 Connect one end of the telephone cable that came with your printer to the [•] port of the printer.
- 2 Connect the other end of the cable to the port labeled **Phone Line 1** or **Phone Port** on the cable modem.

Note: The port labeled **Phone Line 2** or **Fax Port** is not always active. VoIP providers may charge additional cost for activation of the second phone port.

3 Connect your analog telephone phone to the printer.

- To make sure that the telephone port on the cable modem is active, plug an analog telephone into the telephone port, and then listen for a dial tone. If you hear a dial tone, then the port is active.
- If you need two telephone ports for your devices, but do not want to pay additional cost, then do not plug the printer into the second telephone port. You can use a phone splitter. Plug the phone splitter into the **Phone Line**1 or **Phone Port**, and then plug the printer and telephone into the splitter.
- Make sure you use a phone splitter, *not* a line splitter. To make sure that you are using the correct splitter, plug an analog telephone into the splitter and then listen for a dial tone.

Setup 2: Printer is connected to a wall jack; cable modem is installed elsewhere in the facility

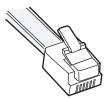


- 1 Connect one end of the telephone cable that came with your printer to the [] port of the printer.
- 2 Connect the other end of the telephone cable to an active analog telephone wall jack.
- **3** Connect your analog telephone to the printer.

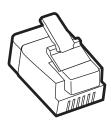
Scenario 5: Countries or regions with different telephone wall jacks and plugs

Some countries or regions may have different types of telephone wall jack connectors than those that came with the printer. The standard wall jack adopted by most countries or regions is RJ-11. Your printer comes with the RJ-11 jack and a telephone cable with the RJ-11 plug.

If the wall jack or equipment in your facility is not compatible with this type of connection, then you need to use a telephone adapter. An adapter for your country or region may not come with your printer, and you may need to purchase it separately.

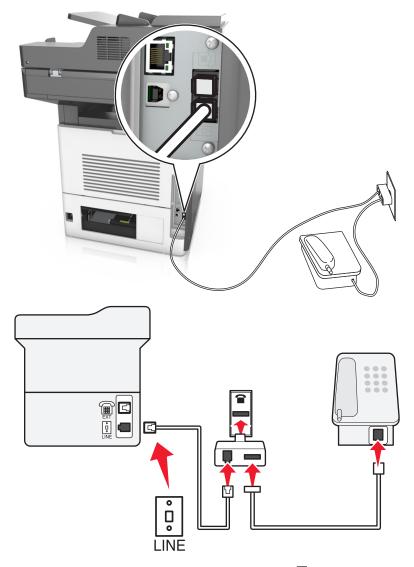


There may be an adapter plug installed in the port of the printer. If you are using a telephone adapter or a facility that has a cascaded or serial wiring scheme, then do not remove the adapter plug from the printer.



Part name	Part number
Lexmark adapter plug	40X8519

Connecting the printer to a non-RJ-11 wall jack

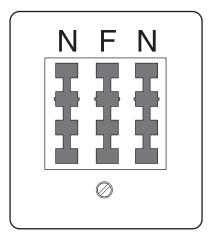


- 1 Connect one end of the telephone cable that came with printer to the i port of the printer.
- 2 Connect the other end of the cable to the RJ-11 adapter, and then connect the adapter to the wall jack.
- **3** If you want to connect another device (telephone or answering machine) to the same wall jack, and if the device has a non-RJ-11 connector, then connect it directly to the telephone adapter.

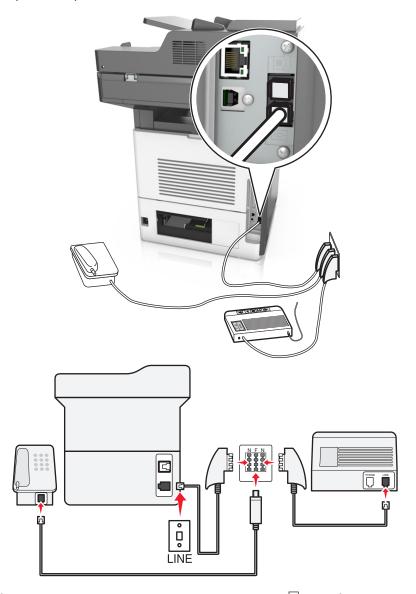
- The port of the printer may have an adapter plug for use with the adapter. Do *not* remove the plug from the printer.
- In some countries or regions, the printer may not come with a telephone adapter or an adapter plug.

Connecting the printer to a wall jack in Germany

The German wall jack has two kinds of ports. The N ports are for fax machines, modems, and answering machines. The F port is for telephones.



Connect the printer to any of the N ports.



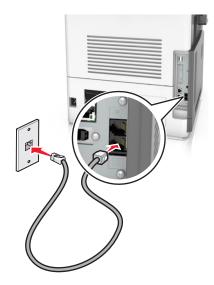
- 1 Connect one end of the telephone cable that came the printer to the [port of the printer.
- 2 Connect the other end of the telephone cable to the RJ-11 adapter, and then connect the adapter to an N port.
- **3** If you want to connect a telephone and answering machine to the same wall jack, then connect the devices as shown.

Note: Do *not* remove the adapter plug from the printer if you are connecting to a serial or cascaded telephone system.

Connecting to a distinctive ring service

A distinctive ring service may be available from your telephone company. This service lets you have multiple telephone numbers on one telephone line, with each telephone number having a different ring pattern. This may be useful for distinguishing between fax and voice calls. If you subscribe to a distinctive ring service, then follow these steps to connect the equipment:

- 1 Connect one end of the telephone cable that came with the printer to the printer LINE port |
- **2** Connect the other end of the telephone cable to an active analog telephone wall jack.



3 Change the distinctive rings setting to match the setting you want for the printer to answer.

Note: The factory default setting for distinctive rings is On. This sets the printer to answer single, double, and triple ring patterns.

- **a** From the home screen, navigate to:
 - > Settings > Fax Settings > Analog Fax Setup > Answer On
- **b** Select the pattern setting you want to change, and then touch **Submit**.

Setting the outgoing fax name and number

1 Open a Web browser, and then type the printer IP address in the address field.

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > Fax Settings > Analog Fax Setup.
- 3 In the Fax Name field, type the name to be printed on all outgoing faxes.
- 4 In the Fax Number field, enter the printer fax number.
- 5 Click Submit.

Setting the date and time

You can set the date and time so that they are printed on every fax you send.

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Security > Set Date and Time.
- 3 In the Manually Set Date & Time field, enter the current date and time.
- 4 Click Submit.

Note: It is recommended to use the network time.

Configuring the printer to observe daylight saving time

The printer can be set to automatically adjust for daylight saving time:

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Security > Set Date and Time.
- **3** Select the **Automatically Observe DST** check box, and then enter the DST start and end dates in the Custom Time Zone Setup section.
- 4 Click Submit.

Sending a fax

Note: You can also send a fax to one or more recipients by using the Multi Send or MyShortcut application from the home screen. For more information, see "Activating the home screen applications" on page 22.

Sending a fax using the printer control panel

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- **2** If you are loading a document into the ADF tray, then adjust the paper guides.

- 3 From the home screen, touch Fax.
- 4 Enter the fax number or a shortcut.

Note: To add recipients, touch **Next number**, and then enter the recipient's telephone number or shortcut number, or search the address book.

5 Touch Fax It.

Sending a fax using the computer

For Windows users

- 1 With a document open, click File > Print.
- 2 Select the printer, and then click **Properties**, **Preferences**, **Options**, or **Setup**.
- 3 Click Fax > Enable fax, and then enter the recipient fax number or numbers.
- 4 If necessary, configure other fax settings.
- **5** Apply the changes, and then send the fax job.

Notes:

- The fax option is available only with the PostScript driver or the Universal Fax Driver. For more information, go to http://support.lexmark.com.
- To use the fax option with the PostScript driver, configure and enable it in the Configuration tab.

For Macintosh users

- 1 With a document open, choose File > Print.
- **2** Select the printer.
- **3** Enter the recipient fax number, and then configure other fax settings, if necessary.
- **4** Send the fax job.

Sending a fax using a shortcut number

Fax shortcuts are like the speed dial numbers on a telephone or a fax machine. A shortcut number (1–999) can contain a single recipient or multiple recipients.

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- 3 From the printer control panel, press #, and then enter the shortcut number using the keypad.
- 4 Touch Fax It.

Sending a fax using the address book

The address book lets you search for bookmarks and network directory servers. For more information on enabling the address book feature, contact your system support person.

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** From the home screen, navigate to:

Fax > | > type the name of the recipient > Search

Note: You can search only for one name at a time.

4 Touch the name of the recipient, and then touch Fax It.

Sending a fax at a scheduled time

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** From the home screen, navigate to:

Fax > enter the fax number > Options > Delayed Send

Note: If Fax Mode is set to Fax Server, then the Delayed Send button does not appear. Faxes waiting for transmission are listed in the fax queue.

4 Specify the time the fax will be transmitted, and then touch ✓.



5 Touch Fax It.

Note: The document is scanned, and then faxed at the scheduled time.

Creating shortcuts

Creating a fax destination shortcut using the Embedded Web Server

Assign a shortcut number to a single fax number or a group of fax numbers.

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

• View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.

- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > Manage Shortcuts > Fax Shortcut Setup.

Note: A password may be required. If you do not have an ID and password, then contact your system support person.

3 Type a name for the shortcut, and then enter the fax number.

Notes:

- To create a multiple-number shortcut, enter the fax numbers for the group.
- Separate each fax number in the group with a semicolon (;).
- 4 Assign a shortcut number.

Note: If you enter a number that is already in use, then you are prompted to select another number.

5 Click Add.

Creating a fax destination shortcut using the printer control panel

1 From the home screen, touch Fax, and then enter the fax number.

Note: To create a group of fax numbers, touch Next number, and then enter the next fax number.

- 2 Touch
- **3** Type a unique name for the shortcut, and then touch **Done**.
- 4 Verify that the shortcut name and number are correct, and then touch **OK**.

Note: If the name or number is incorrect, then touch Cancel, and then reenter the information.

Customizing fax settings

Changing the fax resolution

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** From the home screen, navigate to:

Fax > enter the fax number > Options

4 From the Resolution area, touch the arrows to select the resolution you want.

Note: Select a resolution from Standard (fastest speed) to Ultra Fine (best quality at a reduced speed).

5 Touch Fax It.

Making a fax lighter or darker

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** From the home screen, navigate to:
 - Fax > enter the fax number > Options
- 4 Adjust the fax darkness, and then touch Fax It.

Viewing a fax log

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > Reports.
- 3 Click Fax Job Log or Fax Call Log.

Blocking junk faxes

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > Fax Settings > Analog Fax Setup > Block No Name Fax.

- This option blocks all incoming faxes that have a private caller ID or have no fax name.
- In the Banned Fax List field, enter the phone numbers or type the fax names of specific fax callers you want to block.

Canceling an outgoing fax

Canceling a fax while the original documents are still scanning

- When using the ADF, touch Cancel Job on the printer control panel while Scanning appears.
- When using the scanner glass, touch **Cancel Job** on the printer control panel while **Scanning** appears or while **Scan** the **Next Page** and **Finish** the **Job** appear.

Canceling a fax after the original documents have been scanned to memory

- 1 On the home screen, touch Cancel Jobs.
 - The Cancel Jobs screen appears.
- 2 Touch the job or jobs you want to cancel.
 - Only three jobs appear on the screen; touch the down arrow until the job you want appears, and then touch the job you want to cancel.
- 3 Touch Delete Selected Jobs.

The Deleting Selected Jobs screen appears, the selected jobs are deleted, and then the home screen appears.

Holding and forwarding faxes

Holding faxes

This option lets you hold received faxes from printing until they are released. Held faxes can be released manually or at a scheduled day or time.

1 Open a Web browser, and then type the printer IP address in the address field.

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > Fax Settings > Analog Fax Setup > Holding Faxes.
- 3 From the Held Fax Mode menu, select one of the following:
 - Off
 - Always On
 - Manual
 - Scheduled
- **4** If you selected Scheduled, then continue with the following steps:
 - a Click Fax Holding Schedule.
 - **b** From the Action menu, select **Hold faxes**.

- c From the Time menu, select the time you want the held faxes released.
- **d** From the Day(s) menu, select the day you want the held faxes released.

5 Click Add.

Forwarding a fax

This option lets you print and forward received faxes to a fax number, e-mail address, FTP site, or LDSS.

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > Fax Settings.
- 3 From the Fax Forwarding menu, select Print, Print and Forward, or Forward.
- 4 From the "Forward to" menu, select Fax, E-mail, FTP, LDSS, or eSF.
- 5 In the "Forward to Shortcut" field, enter the shortcut number where you want the fax forwarded.

Note: The shortcut number must be valid for the setting selected in the "Forward to" menu.

6 Click Submit.

Understanding the fax options

Content

This option lets you specify the content type and source of the original document.

Select from the following content types:

- Graphics—The original document is mostly business-type graphics, such as pie charts, bar charts, and animations.
- **Photo**—The original document is mostly a photo or an image.
- Text—The content of the original document is mostly text or line art.
- **Text/Photo**—The original document is a mixture of text, graphics, and photos.

Select from the following content sources:

- Black/White Laser—The original document was printed using a mono laser printer.
- **Color Laser**—The original document was printed using a color laser printer.
- Inkjet—The original document was printed using an inkjet printer.
- Magazine—The original document is from a magazine.
- **Newspaper**—The original document is from a newspaper.
- Other—The original document was printed using an alternate or unknown printer.
- Photo/Film—The original document is a photo from film.
- **Press**—The original document was printed using a printing press.

Resolution

This option lets you adjust the quality of the fax output. Increasing the image resolution increases the file size and the time needed to scan your original document. Decreasing the image resolution reduces the file size.

Select one of the following:

- Standard—Use this when faxing most documents.
- Fine 200 dpi—Use this when faxing documents with small prints.
- Super fine 300 dpi—Use this when faxing documents with fine details.
- Ultra fine 600 dpi—Use this when faxing documents with pictures or photos.

Darkness

This option lets you adjust how light or dark the faxes are in relation to the original document.

Page Setup

This option lets you change the following settings:

- **Sides (Duplex)**—This specifies if the original document is printed on one side or on both sides of the page (duplex). This also identifies what needs to be scanned for inclusion in the fax.
- **Orientation**—This specifies the orientation of the original document, and then changes the Sides (Duplex) and Binding settings to match the orientation.
- Binding—This specifies if the original document is bound on the long-edge or short-edge side.

Scan Preview

This option lets you view the first page of the image before it is included in the fax. When the first page is scanned, the scanning is paused and a preview image appears.

Note: This option appears only when a working printer hard disk is installed.

Delayed Send

This option lets you send a fax at a later time or date.

Using the advanced options

Select from the following settings:

- Advanced Imaging—This adjusts the Background Removal, Color Balance, Color Dropout, Contrast, Mirror Image, Negative Image, Scan Edge to Edge, Shadow Detail, Sharpness, and Temperature settings before you fax the document.
- Custom Job—This combines multiple scanning jobs into a single job.
- Edge Erase—This removes smudges or marks around the edges of a document. You can choose to remove an equal area around all four sides of the paper, or pick a particular edge. Edge Erase erases whatever is within the area selected, leaving nothing on that portion of the scan.

- Transmission Log—This prints the transmission log or transmission error log.
- **Multifeed Sensor**—This detects when the ADF picks more than one sheet of paper at a time, and then shows an error message.

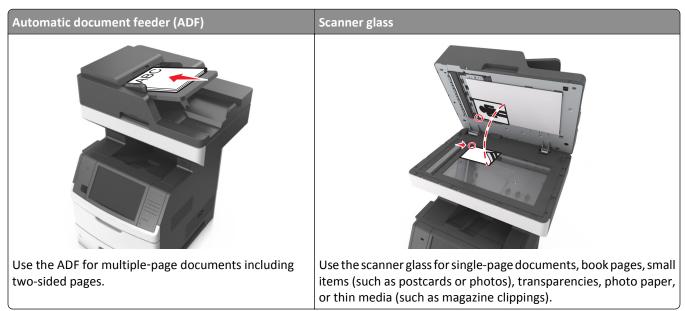
Note: This option is supported only in select printer models.

Scanning

Using Scan to Network

Scan to Network lets you scan your documents to network destinations specified by your system support person. After the destinations (shared network folders) have been established on the network, the setup process for the application involves installing and configuring the application on the appropriate printer using its Embedded Web Server. For more information, see <u>"Setting up Scan to Network" on page 24</u>.

Scanning to an FTP address



The scanner lets you scan documents directly to a File Transfer Protocol (FTP) server. Only one FTP address may be sent to the server at a time.

When an FTP destination has been configured by your system support person, the name of the destination becomes available as a shortcut number, or it is listed as a profile under the Held Jobs icon. An FTP destination could also be another PostScript printer; for example, a color document can be scanned and then sent to a color printer.

Creating shortcuts

Instead of entering the entire FTP site address on the printer control panel each time you want to send a document to an FTP server, you can create a permanent FTP destination and assign a shortcut number. There are two methods for creating shortcut numbers: using the Embedded Web Server and using the printer control panel.

Creating an FTP shortcut using the Embedded Web Server

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

• View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.

- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Navigate to:

Settings > Other Settings area > **Manage Shortcuts** > **FTP Shortcut Setup**

3 Enter the appropriate information.

Note: A password may be required. If you do not have an ID and password, then contact your system support person.

4 Enter a shortcut number.

Note: If you enter a number that is already in use, then you are prompted to select another number.

5 Click Add.

Creating an FTP shortcut using the printer control panel

1 From the home screen, navigate to:

FTP > FTP > type the FTP address > > type a name for the shortcut > Done

2 Verify that the shortcut name and number are correct, and then touch OK.

Notes:

- If the name or number is incorrect, then touch **Cancel**, and then reenter the information.
- If you enter a number that is already in use, then you are prompted to select another number.

Scanning to an FTP address

Note: You can also send scanned documents to an FTP address by using the Multi Send, Scan to Network, or MyShortcut application from the home screen. For more information, see <u>"Activating the home screen applications"</u> on page 22.

Scanning to an FTP address using the printer control panel

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** From the printer control panel, navigate to:

FTP > FTP > type the FTP address > Done > Send It

Scanning to an FTP address using a shortcut number

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- 3 From the printer control panel, press # on the keypad, and then enter the FTP shortcut number.
- 4 Touch

 ✓ > Send It.

Scanning an FTP using the address book

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

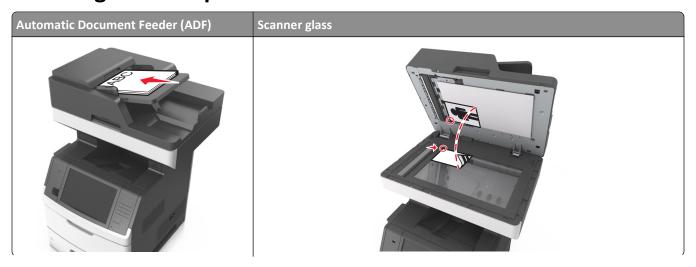
Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** From the home screen, navigate to:
 - FTP > FTP > 2 > type the name of the recipient > Search
- 4 Touch the name of the recipient.

Note: To search for additional recipients, touch New Search, and then type the name of the next recipient.

5 Touch ✓ > Send It.

Scanning to a computer or flash drive



Automatic Document Feeder (ADF)	Scanner glass
Use the ADF for multiple-page documents.	Use the scanner glass for single pages, small items (such as postcards or photos), transparencies, photo paper, or thin media (such as magazine clippings).

The scanner lets you scan documents directly to a computer or a flash drive. The computer does not have to be directly connected to the printer for you to receive images using Scan to Computer. You can scan the document back to the computer over the network by creating a scan profile on the computer and then downloading the profile to the printer.

Scanning to a computer using the Embedded Web Server

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Scan Profile > Create Scan Profile.
- **3** Select your scan settings, and then click **Next**.
- 4 Select a location on your computer where you want to save the scan image.
- **5** Type a scan name, and then a user name.

Note: The scan name is the name that appears in the Scan Profile list on the display.

6 Click Submit.

Note: Clicking **Submit** automatically assigns a shortcut number. You can use this shortcut number when you are ready to scan your documents.

- **7** Review the instructions on the Scan Profile screen.
 - a Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- **b** If you are loading a document into the ADF tray, then adjust the paper guides.
- **c** Do either of the following:
 - Press #, and then enter the shortcut number using the keypad.
 - From the home screen, navigate to:
 Held Jobs > Profiles > select your shortcut on the list

Note: The scanner scans and sends the document to the directory you specified.

8 View the file from the computer.

Note: The output file is saved in the location or launched in the program you specified.

Setting up Scan to Computer

Notes:

- This feature is supported only in Windows Vista or later.
- Make sure your computer and printer are connected to the same network.
- **1** Open the printers folder, and then select your printer.

Note: If your printer is not in the list, then add your printer.

- **2** Open the printer properties, and then adjust the settings as necessary.
- 3 From the control panel, touch Scan to Computer > select the appropriate scan setting > Send It.

Scanning to a flash drive

1 Load an original document faceup, short edge first into the ADF tray or facedown on the scanner glass.

Notes:

- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.
- The ADF indicator light comes on when the paper is loaded properly.
- 2 If you are loading a document into the ADF tray, then adjust the paper guides.
- **3** Insert the flash drive into the USB port on the front of the printer.

Note: The USB Drive home screen appears.

4 Select the destination folder, and then touch Scan to USB drive.

Note: The printer goes back to the home screen after 30 seconds of inactivity.

5 Adjust the scan settings, and then touch **Scan It**.

Understanding the scan options

FTP

This option lets you enter the IP address for the FTP destination.

Note: An IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.

File Name

This option lets you type a file name for the scan image.

Save As Shortcut

This option lets you save the current settings as a shortcut by assigning a shortcut name.

Note: Selecting this option automatically assigns the next available shortcut number.

Original Size

This option lets you set the paper size of the documents you are going to scan. When Original Size is set to Mixed Sizes, you can scan an original document that contains mixed paper sizes (letter- and legal-size pages).

Send As

This option lets you set the output type for the scan image.

Select one of the following:

- PDF—Use to create a single file with multiple pages. The PDF can be sent as a secured or compressed file.
- **TIFF**—Use to create multiple files or a single file. If Multi-page TIFF is turned off in the Settings menu, then TIFF saves one page in each file. The file size is usually larger than an equivalent JPEG.
- JPEG—Use to create and attach a separate file for each page of the original document.
- XPS—Use to create a single XPS file with multiple pages.

Resolution

This option lets you adjust the output quality of your file. Increasing the image resolution increases the file size and the time needed to scan your original document. Decreasing the image resolution reduces the file size.

Darkness

This option lets you adjust how light or dark the scanned documents are in relation to the original document.

Page Setup

This option lets you change the following settings:

- Sides (Duplex)—This specifies if the original document is printed on only one side or on both sides of the paper.
- **Orientation**—This specifies the orientation of the original document, and then changes the Sides (Duplex) and Binding settings to match the orientation.
- Binding—This specifies if the original document is bound on the long-edge or short-edge side.

Content

This option lets you set the original document type and source.

Select from the following content types:

- **Graphics**—The original document is mostly business-type graphics, such as pie charts, bar charts, and animations.
- **Photo**—The original document is mostly a photo or an image.
- **Text**—The content of the original document is mostly text or line art.
- **Text/Photo**—The original document is a mixture of text, graphics, and photos.

Select from the following content sources:

- Black/White Laser—The original document was printed using a mono laser printer.
- Color Laser—The original document was printed using a color laser printer.

- Inkjet—The original document was printed using an inkjet printer.
- Magazine—The original document is from a magazine.
- **Newspaper**—The original document is from a newspaper.
- Other—The original document was printed using an alternate or unknown printer.
- Photo/Film—The original document is a photo from film.
- Press—The original document was printed using a printing press.

Scan Preview

This option lets you view the first page of the image before it is included in the file. When the first page is scanned, the scanning is paused and a preview image appears.

Note: This option appears only when a formatted, working printer hard disk is installed.

Using the advanced options

Select from the following settings:

- Advanced Imaging
 —This adjusts the Background Removal, Color Balance, Color Dropout, Contrast, JPEG Quality,
 Mirror Image, Negative Image, Scan Edge to Edge, Shadow Detail, Sharpness, and Temperature settings before you
 scan the document.
- Custom Job—This combines multiple scanning jobs into a single job.
- Edge Erase—This removes smudges or marks around the edges of a document. You can choose to remove an equal area around all four sides of the paper, or pick a particular edge. Edge Erase erases whatever is within the area selected, leaving nothing on that portion of the scan.
- Transmission Log—This prints the transmission log or transmission error log.
- Multifeed Sensor—This detects when the ADF picks more than one sheet of paper at a time, and then shows an
 error message.

Note: This option is supported only in select printer models.

Understanding the printer menus

Menus list

Paper Menu	Reports	Network/Ports	Security
Default Source	Menu Settings Page	Active NIC	Edit Security Setups
Paper Size/Type	Device Statistics	Standard Network ¹	Miscellaneous Security Settings
Configure MP	Network Setup Page	Standard USB	Confidential Print
Substitute Size	Network [x] Setup Page	Parallel [x]	Erase Temporary Data Files
Paper Texture	Shortcut List	Serial [x]	Security Audit Log
Paper Weight	Fax Job Log	SMTP Setup	Set Date and Time
Paper Loading	Fax Call Log		
Custom Types	Copy Shortcuts		
Custom Names	E-mail Shortcuts		
Custom Scan Sizes	Fax Shortcuts		
Custom Bin Names	FTP Shortcuts		
Universal Setup	Profiles List		
Bin Setup	Print Fonts		
	Print Directory		
	Print Demo		
	Asset Report		
Settings	Help	Manage Shortcuts	Option Card Menu ²
General Settings	Print All Guides	Fax Shortcuts	A list of installed DLEs (Download
Copy Settings	Copy Guide	E-mail Shortcuts	Emulators) appears.
Fax Settings	E-mail Guide	FTP Shortcuts	
E-mail Settings	Fax Guide	Copy Shortcuts	
FTP Settings	FTP Guide	Profile Shortcuts	
Flash Drive Menu	Print Defects Guide		
OCR Settings	Information Guide		
Print Settings	Supplies Guide		

¹ Depending on the printer setup, this menu appears as Standard Network or Network [x].

² This menu appears only when one or more DLEs are installed.

Paper menu

Default Source menu

Use	То
Default Source Tray [x] Multipurpose Feeder Manual Paper Manual Envelope	Set a default paper source for all print jobs. Notes: Tray 1 (standard tray) is the factory default setting. From the Paper menu, set Configure MP to "Cassette" for Multipurpose Feeder to appear as a menu setting.
	 If two trays contain paper of the same size and type, and the trays have the same settings, then the trays are automatically linked. When one tray is empty, the print job continues using the linked tray.

Configure MP menu

Use	То
Configure MP Cassette Manual First	Determine when the printer selects paper from the multipurpose feeder. Notes: Cassette is the factory default setting. Cassette configures the multipurpose feeder as the automatic paper source.
	 Manual sets the multipurpose feeder only for manual-feed print jobs. First configures the multipurpose feeder as the primary paper source.

Paper Size/Type menu

Use	То
Tray [x] Size	Specify the paper size loaded in each tray.
A4	Notes:
A5	
A6	Letter is the U.S. factory default setting. A4 is the international factory default setting.
JIS-B5	default setting.
Letter	If two trays contain paper of the same size and type, and the trays have the same settings, then the trays are submetically linked. The
Legal	the same settings, then the trays are automatically linked. The multipurpose feeder may also be linked. When one tray is empty, the
Executive	print job continues using the linked tray.
Oficio (Mexico)	The A6 paper size is supported only in Tray 1 and in the multipurpose
Folio	feeder.
Statement	
Universal	
7 3/4 Envelope	
9 Envelope	
10 Envelope	
DL Envelope	
C5 Envelope	
B5 Envelope	
Other Envelope	
Tray [x] Type	Specify the type of paper loaded in each tray.
Plain Paper	Notes:
Card Stock	
Transparency	Plain Paper is the factory default setting for Tray 1. Custom Type [x]
Recycled	the factory default setting for all other trays.
Labels	• If available, a user-defined name will appear instead of Custom Type [x].
Vinyl Labels	 Use this menu to configure automatic tray linking.
Bond	
Letterhead	
Preprinted	
Colored Paper	
Light Paper	
Heavy Paper	
Rough/Cotton	
Custom Type [x]	

Use	То
MP Feeder Size	Specify the paper size loaded in the multipurpose feeder.
A4	Notes:
A5	
A6	• Letter is the U.S. factory default setting. A4 is the international factory
JIS B5	default setting.
Letter	• From the Paper menu, set Configure MP to "Cassette" for MP Feeder
Legal	Size to appear as a menu.
Executive	 The multipurpose feeder does not automatically detect paper size. The paper size value must be set.
Oficio (Mexico)	paper size value must be set.
Folio	
Statement	
Universal	
7 3/4 Envelope	
9 Envelope	
10 Envelope	
DL Envelope	
C5 Envelope	
B5 Envelope	
Other Envelope	
MP Feeder Type	Specify the paper type loaded in the multipurpose feeder.
Plain Paper	Notes:
Card Stock	
Transparency	Plain Paper is the factory default setting.
Recycled	 From the Paper menu, set Configure to "Cassette" for MP Feeder T
Labels	to appear as a menu.
Bond	
Envelope	
Rough Envelope	
Letterhead	
Preprinted	
Colored Paper	
Light Paper	
Heavy Paper	
Rough/Cotton	
Custom Type [x]	

Note: Only installed trays and feeders are listed in this menu.

Use	То
Manual Paper Size	Specify the size of the paper being manually loaded.
A4	Note: Letter is the U.S. factory default setting. A4 is the international factory
A5	default setting.
A6	
JIS B5	
Letter	
Legal	
Executive	
Oficio (Mexico)	
Folio	
Statement	
Universal	
Manual Paper Type	Specify the paper type being manually loaded.
Plain Paper	Notes:
Card Stock	Notes.
Transparency	 Plain Paper is the factory default setting.
Recycled	• From the Paper menu, set Configure MP to "Manual" for Manual Paper
Labels	Type to appear as a menu.
Bond	
Letterhead	
Preprinted	
Colored Paper	
Light Paper	
Heavy Paper	
Rough/Cotton	
Custom Type [x]	
Manual Envelope Size	Specify the envelope size being manually loaded.
7 3/4 Envelope	Note: 10 Envelope is the U.S. factory default setting. DL Envelope is the
9 Envelope	international factory default setting.
10 Envelope	
DL Envelope	
C5 Envelope	
B5 Envelope	
Other Envelope	
Manual Envelope Type	Specify the envelope type being manually loaded.
Envelope	Note: Envelope is the factory default setting.
Rough Envelope	and the same and the same section.
Custom Type [x]	

Use	То
Default ADF Media Type	Specify the media type being loaded in the ADF.
Plain Paper	Note: Plain Paper is the factory default setting.
Card Stock	
Transparency	
Recycled	
Labels	
Vinyl Labels	
Bond	
Envelope	
Rough Envelope	
Letterhead	
Preprinted	
Colored Paper	
Light Paper	
Heavy Paper	
Rough/Cotton	
Custom [x]	

Substitute Size menu

Use	То
Substitute Size	Substitute a specified paper size if the requested paper size is not available.
Off Statement/A5 Letter/A4	Notes: • All Listed is the factory default setting. All available substitutions are allowed.
All Listed	 Off indicates that no size substitutions are allowed. Setting a size substitution lets the print job continue without Change Paper appearing.

Paper Texture menu

Use	То
Plain Texture Smooth Normal Rough	Specify the relative texture of the plain paper loaded in a specific tray. Note: Normal is the factory default setting.
Card Stock Texture Smooth Normal Rough	Specify the relative texture of the card stock loaded in a specific tray. Notes: Normal is the factory default setting. These options appear only if card stock is supported.

Use	То
Transparency Texture Smooth Normal Rough	Specify the relative texture of the transparencies loaded in a specific tray. Note: Normal is the factory default setting.
Recycled Texture Smooth Normal Rough	Specify the relative texture of the recycled paper loaded in a specific tray. Note: Normal is the factory default setting.
Labels Texture Smooth Normal Rough	Specify the relative texture of the labels loaded in a specific tray. Note: Normal is the factory default setting.
Vinyl Labels Texture Smooth Normal Rough	Specify the relative texture of the vinyl labels loaded in a specific tray. Note: Normal is the factory default setting.
Bond Texture Smooth Normal Rough	Specify the relative texture of the bond paper loaded in a specific tray. Note: Rough is the factory default setting.
Envelope Texture Smooth Normal Rough	Specify the relative texture of the envelopes loaded in a specific tray. Note: Normal is the factory default setting.
Rough Envelope Texture Rough	Specify the relative texture of the rough envelopes loaded in a specific tray. Note: Rough is the factory default setting.
Letterhead Texture Smooth Normal Rough	Specify the relative texture of the letterhead loaded in a specific tray. Note: Normal is the factory default setting.
Preprinted Texture Smooth Normal Rough	Specify the relative texture of the preprinted paper loaded in a specific tray. Note: Normal is the factory default setting.
Colored Texture Smooth Normal Rough	Specify the relative texture of the colored paper loaded in a specific tray. Note: Normal is the factory default setting.
Light Texture Smooth Normal Rough	Specify the relative texture of the light paper loaded in a specific tray. Note: Normal is the factory default setting.

Use	То
Heavy Texture	Specify the relative texture of the heavy paper loaded in a specific tray.
Smooth	Note: Normal is the factory default setting.
Normal	
Rough	
Rough/Cotton Texture	Specify the relative texture of the rough or cotton paper loaded in a specific tray.
Rough	Note: Rough is the factory default setting.
Custom [x] Texture	Specify the relative texture of the custom paper loaded in a specific tray.
Smooth	Note: Normal is the factory default setting.
Normal	
Rough	

Paper Weight menu

Use	То
Plain Weight Light Normal Heavy	Specify the relative weight of the plain paper loaded. Note: Normal is the factory default setting.
Card Stock Weight Light Normal Heavy	Specify the relative weight of the card stock loaded. Note: Normal is the factory default setting.
Transparency Weight Light Normal Heavy	Specify the relative weight of the transparencies loaded. Note: Normal is the factory default setting.
Recycled Weight Light Normal Heavy	Specify the relative weight of the recycled paper loaded. Note: Normal is the factory default setting.
Labels Weight Light Normal Heavy	Specify the relative weight of the labels loaded. Note: Normal is the factory default setting.
Vinyl Labels Weight Light Normal Heavy	Specify the relative weight of the vinyl labels loaded. Note: Normal is the factory default setting.
Bond Weight Light Normal Heavy	Specify the relative weight of the bond paper loaded. Note: Normal is the factory default setting.

Use	То
Envelope Weight Light Normal Heavy	Specify the relative weight of the envelope loaded. Note: Normal is the factory default setting.
Rough Envelope Weight Light Normal Heavy	Specify the relative weight of the rough envelope loaded. Note: Normal is the factory default setting.
Letterhead Weight Light Normal Heavy	Specify the relative weight of the letterhead loaded. Note: Normal is the factory default setting.
Preprinted Weight Light Normal Heavy	Specify the relative weight of the preprinted paper loaded. Note: Normal is the factory default setting.
Colored Weight Light Normal Heavy	Specify the relative weight of the colored paper loaded. Note: Normal is the factory default setting.
Light Weight Light	Specify that the weight of the paper loaded is light.
Heavy Weight Heavy	Specify that the weight of the paper loaded is heavy.
Rough/Cotton Weight Light Normal Heavy	Specify the relative weight of the cotton or rough paper loaded. Note: Normal is the factory default setting.
Custom [x] Weight Light Normal Heavy	Specify the relative weight of the custom paper loaded. Notes: Normal is the factory default setting. The options appear only when the custom type is supported.

Paper Loading menu

Use	То
Card Stock Loading Duplex Off	Determine and set two-sided printing for all print jobs with Card Stock as the paper type.
Recycled Loading Duplex Off	Determine and set two-sided printing for all print jobs with Recycled as the paper type.
Labels Loading Duplex Off	Determine and set two-sided printing for all print jobs with Labels as the paper type.
Vinyl Labels Loading Duplex Off	Determine and set two-sided printing for all print jobs with Vinyl Labels as the paper type.
Bond Loading Duplex Off	Determine and set two-sided printing for all print jobs with Bond as the paper type.
Letterhead Loading Duplex Off	Determine and set two-sided printing for all print jobs with Letterhead as the paper type.
Preprinted Loading Duplex Off	Determine and set two-sided printing for all print jobs with Preprinted as the paper type.
Colored Loading Duplex Off	Determine and set two-sided printing for all print jobs with Colored as the paper type.
Light Loading Duplex Off	Determine and set two-sided printing for all print jobs with Light as the paper type.
Heavy Loading Duplex Off	Determine and set two-sided printing for all print jobs with Heavy as the paper type.
Rough/Cotton Loading Duplex Off	Determine and set two-sided printing for all print jobs with Rough or Cotton as the paper type.

Notes:

- Off is the factory default setting for all Paper Loading menu selections.
- Duplex sets the printer default to two-sided printing for every print job unless one-sided printing is selected from Print Properties or the print dialog, depending on your operating system.

Use	То
Custom [x] Loading Duplex	Determine and set two-sided printing for all print jobs with Custom [x] as the paper type.
Off	Note: Custom [x] Loading is available only when the custom type is supported.

Notes:

- Off is the factory default setting for all Paper Loading menu selections.
- Duplex sets the printer default to two-sided printing for every print job unless one-sided printing is selected from Print Properties or the print dialog, depending on your operating system.

Custom Types menu

Use	То
Custom Type [x] Paper Card Stock	Associate a paper or specialty media type with a factory default custom type name or a user-defined custom name created from the Embedded Web Server or from MarkVision TM Professional.
Transparency Rough/Cotton Labels Vinyl Labels Envelope	 Notes: Paper is the factory default setting. The custom media type must be supported by the selected tray or multipurpose feeder in order to print from that source.
Recycled Paper Card Stock Transparency Rough/Cotton Labels Vinyl Labels Envelope	 Specify a paper type when Recycled is selected in other menus. Notes: Paper is the factory default setting. The custom media type must be supported by the selected tray or multipurpose feeder in order to print from that source.

Custom Names menu

Use	То
Custom Name [x]	Specify a custom name for a paper type. This name replaces Custom Type [x] in the printer menus.

Custom Scan Sizes menu

Use	То
Custom Scan Size [x]	Specify a custom scan size name, sizes, and orientation. The custom scan size
Scan Size Name	name replaces Custom Scan Size [x] in the printer menus.
Media Type	Notes:
ADF Media Type Plain Paper Card Stock Transparency Recycled Labels Vinyl Labels Bond Envelope Rough Envelope Letterhead Preprinted Colored Paper Light Paper Heavy Paper Rough/Cotton Custom Type [x] Width 1-8.5 inches (25-216 mm) Height 1-25 inches (25-635 mm) Orientation Portrait Landscape 2 scans per side Off On	 Rough/Cotton is the factory default setting for custom scan sizes 1 and 2. ADF Media Type is the factory default setting for custom scan sizes 3, 4, 5, and 6. 8.5 inches is the U.S. factory default setting for Width. 216 mm is the international factory default setting for Width. 14 inches is the U.S. factory default setting for Height. 356 mm is the international factory default setting for Height. Portrait is the factory default setting for Orientation. Off is the factory default setting for 2 scans per side.

Universal Setup menu

Use	То
Units of Measure	Identify the units of measure.
Inches Millimeters	Notes:
	Inches is the US factory default setting.
	Millimeters is the international factory default setting.

Use	То
Portrait Width	Set the portrait width.
3–8.5 inches	Notes:
76–216 mm	 If the width exceeds the maximum, then the printer uses the maximum width allowed.
	 8.5 inches is the US factory default setting. You can increase the width in 0.01-inch increments.
	• 216 mm is the international factory default setting. You can increase the width in 1-mm increments.
Portrait Height	Set the portrait height.
3–14.17 inches	Notes:
76–360 mm	 If the height exceeds the maximum, then the printer uses the maximum height allowed.
	 14 inches is the US factory default setting. You can increase the height in 0.01-inch increments.
	• 356 mm is the international factory default setting. You can increase the height in 1-mm increments.
Feed Direction	Specify the feed direction if the paper can be loaded in either direction.
Short Edge	Notes:
Long Edge	Short Edge is the factory default setting.
	 Long Edge appears only when the longest edge is shorter than the maximum width supported in the tray.

Reports Menu

Reports menu

Use	То
Menu Settings Page	Print a report on the current printer menu settings. The report also contains information about the status of the supplies and a list of hardware options that are successfully installed.
Device Statistics	Print a report containing printer statistics, such as supply information and number of printed pages.
Network Setup Page	Print a report containing information about the network settings of the printer.
	Note: This menu item appears only in network printers or printers connected to print servers.
Network [x] Setup Page	Print a report containing information about the network settings of the printer.
	Note: This menu item appears only in network printers or printers connected to print servers, and when there is more than one network option installed.
Shortcut List	Print a report containing information about configured shortcuts.

Use	То
Fax Job Log	Print a report containing information about the last 200 completed faxes.
	Notes:
	This menu item appears only when Enable Job Log is set to On in the Fax Settings menu.
	This menu is supported only in some printer models.
Fax Call Log	Print a report containing information about the last 100 attempted, received, and blocked calls.
	Notes:
	This menu item appears only when Enable Job Log is set to On in the Fax Settings menu.
	This menu is supported only in some printer models.
Copy Shortcuts	Print a report containing information about copy shortcuts.
E-mail Shortcuts	Print a report containing information about e-mail shortcuts.
Fax Shortcuts	Print a report containing information about fax shortcuts.
FTP Shortcuts	Print a report containing information about FTP shortcuts.
Profiles List	Print a list of profiles stored in the printer.
Print Fonts	Print a report of all the fonts available for the printer language currently set in the printer.
Print Directory	Print a list of all the resources stored in an optional flash memory card or printer hard disk.
	Notes:
	Job Buffer Size must be set to 100%.
	 Make sure that the memory card or hard disk is installed and working properly.
Print Demo	Print demo files that are available in the firmware, the flash option, and the disk
Demo Page	option.
[list of available demo pages]	
Asset Report	Print a report containing printer asset information, such as serial number and model name.
Event Log Summary	Print a summary of logged events.

Network/Ports menu

Active NIC menu

Use	То
Active NIC	Allow the printer to connect to a network.
Auto [list of available network cards]	Notes:
[iist of available freeWork cards]	Auto is the factory default setting.
	This menu item appears only if an optional network adapter is installed.

Standard Network or Network [x] menu

Note: Only active ports appear in this menu.

Use	То
Energy Efficient Ethernet Enable	Reduce power consumption when the printer receives no data from the Ethernet network.
Disable	Note: Enable is the factory default setting.
PCL SmartSwitch On	Set the printer to automatically switch to PCL emulation when a print job requires it, regardless of the default printer language.
Off	Notes:
	On is the factory default setting.
	If PCL SmartSwitch is disabled, then the printer does not examine incoming data and it uses the default printer language specified in the Setup menu.
PS SmartSwitch On	Set the printer to automatically switch to PS emulation when a print job requires it, regardless of the default printer language.
Off	Notes:
	On is the factory default setting.
	If PS SmartSwitch is disabled, then the printer does not examine incoming data and it uses the default printer language specified in the Setup menu.
NPA Mode Off	Set the printer to perform the special processing required for bidirectional communication following the conventions defined by the NPA protocol.
Auto	Notes:
	Auto is the factory default setting.
	The printer automatically restarts when the setting is changed from the control panel.

Use	То
Network Buffer	Set the size of the network input buffer.
Auto	Notes:
3KB to [maximum size allowed]	Auto is the factory default setting.
	 The maximum size allowed depends on the amount of memory in the printer, the size of the other link buffers, and whether Resource Save is set to On or Off.
	 To increase the maximum size range for the Network Buffer, disable or reduce the size of the parallel, serial, and USB buffers.
	 The printer automatically restarts when the setting is changed from the control panel.
Job Buffering Off	Temporarily store print jobs in the printer hard disk before printing. This menu only appears when a formatted disk is installed.
On	Notes:
Auto	Off is the factory default setting.
	 The printer automatically restarts when the setting is changed from the control panel. The menu selection is then updated.
Mac Binary PS	Set the printer to process Macintosh binary PostScript print jobs.
On	Note: Auto is the factory default setting.
Off	
Auto	
Standard Network Setup OR	Show and set the printer network settings.
Network [x] Setup	Note: The Wireless menu appears only when the printer is connected to a wireless
Reports	network.
Network Card	
TCP/IP	
IPv6	
Wireless	
AppleTalk	

Reports menu

To access the menu, navigate to either of the following:

- Network/Ports > Standard Network > Standard Network Setup > Reports
- Network/Ports > Network [x] > Network [x] Setup > Reports

Use	То
Print Setup Page	Print a report containing information about the network printer settings, such as the TCP/IP address.

Network Card menu

To access the menu, navigate to either of the following:

- Network/Ports > Standard Network > Standard Network Setup > Network Card
- Network/Ports > Network [x] > Network [x] Setup > Network Card

Use	То
View Card Status Connected Disconnected	View the connection status of the wireless network adapter.
View Card Speed	View the speed of an active wireless network adapter.
Energy Efficient Ethernet Enable	Reduce power consumption when the printer receives no data from the Ethernet network.
Disable	Note: Enable is the factory default setting.
Network Address UAA LAA	View the network addresses.
Job Timeout 0, 10–225 seconds	Set the amount of time it takes for a network print job to be canceled. Notes: 90 seconds is the factory default setting. A setting value of 0 disables the timeout. A value between 1 and 9 is invalid.
Banner Page Off On	Allow the printer to print a banner page. Note: Off is the factory default setting.

TCP/IP menu

To access the menu, navigate to either of the following:

- Network/Ports > Standard Network > Standard Network Setup > TCP/IP
- Network/Ports > Network [x] > Network [x] Setup > TCP/IP

Note: This menu is available only in network printers or printers attached to print servers.

Use	То
Set Hostname	Set the current TCP/IP host name.
	Note: This can be changed only from the Embedded Web Server.
IP Address	View or change the current TCP/IP address.
	Note: Manually setting the IP address sets the Enable DHCP and Enable Auto IP settings to Off. It also sets Enable BOOTP and Enable RARP to Off on systems that support BOOTP and RARP.
Netmask	View or change the current TCP/IP netmask.
Gateway	View or change the current TCP/IP gateway.

Use	То
Enable DHCP	Specify the DHCP address and parameter assignment.
On	Note: On is the factory default setting.
Off	
Enable RARP	Specify the RARP address assignment setting.
On	Note: Off is the factory default setting.
Off	
Enable BOOTP	Specify the BOOTP address assignment setting.
On	Note: On is the factory default setting.
Off	
Enable AutoIP	Specify the Zero Configuration Networking setting.
Yes No	Note: Yes is the factory default setting.
Enable FTP/TFTP Yes	Enable the built-in FTP server, which lets you send files to the printer using File Transfer Protocol.
No	Note: Yes is the factory default setting.
Enable HTTP Server	Enable the built-in Web server (Embedded Web Server). When enabled, the printer
Yes	can be monitored and managed remotely using a Web browser.
No	Note: Yes is the factory default setting.
WINS Server Address	View or change the current WINS server address.
Enable DDNS	View or change the current DDNS setting.
Yes	Note: Yes is the factory default setting.
No	
Enable mDNS	View or change the current mDNS setting.
Yes	Note: Yes is the factory default setting.
No	
DNS Server Address	View or change the current DNS server address.
Backup DNS Server Address	View or change the backup DNS server addresses.
Backup DNS Server Address 2	
Backup DNS Server Address 3	
Enable HTTPS	View or change the current HTTPS setting.
Yes	Note: Yes is the factory default setting.
No	

IPv6 menu

To access the menu, navigate to any of the following:

- Network/Ports menu > Standard Network > Standard Network Setup > IPv6
- Network/Ports menu > Network [x] > Network [x] Setup > IPv6

Note: This menu is available only in network printers or printers that are attached to print servers.

Use	То
Enable IPv6	Enable IPv6 in the printer.
On	Note: On is the factory default setting.
Off	
Auto Configuration	Specify whether or not the network adapter accepts the automatic IPv6
On	address configuration entries provided by a router.
Off	Note: On is the factory default setting.
Set Hostname	Set the host name.
View Address	Note: These settings can be changed only from the Embedded Web
View Router Address	Server.
Enable DHCPv6	Enable DHCPv6 in the printer.
On	Note: On is the factory default setting.
Off	

Wireless menu

Note: This menu is available only in printers connected to a wireless network or printer models that have a wireless network adapter.

To access the menu, navigate to:

Network/Ports > Network [x] > Network [x] Setup > Wireless

Use	То
Wi-Fi Protected Setup	Establish a wireless network and enable network security.
Start Push Button Method	Notes:
Start PIN Method	 Start Push Button Method connects the printer to a wireless network when buttons on both the printer and the access point (wireless router) are pressed within a given period of time.
	 Start PIN Method connects the printer to a wireless network when a PIN on the printer is entered into the wireless settings of the access point.
Enable/Disable WPS Auto-detection	Automatically detect the connection method that an access point with WPS uses—Start Push Button Method or Start PIN Method.
Disable	Note: Disable is the factory default setting.
Network Mode	Specify the network mode.
BSS Type	Notes:
Infrastructure Ad hoc	 Infrastructure is the factory default setting. This lets the printer access a network using an access point.
	 Ad hoc configures wireless connection directly between the printer and a computer.
Compatibility	Specify the wireless standard for the wireless network.
802.11b/g	Note: 802.11b/g/n is the factory default setting.
802.11b/g/n	

Use	То
Choose Network	Select an available network for the printer to use.
View Signal Quality	View the quality of the wireless connection.
View Security Mode	View the encryption method for the wireless network.

AppleTalk menu

To access the menu, navigate to either of the following:

- Network/Ports > Standard Network > Standard Network Setup > AppleTalk
- Network/Ports > Network [x] > Network [x] Setup > AppleTalk

Use	То
Activate	Enable or disable AppleTalk support.
Yes No	Note: No is the factory default setting.
View Name	Show the assigned AppleTalk name. Note: The AppleTalk name can be changed only from the Embedded Web Server.
View Address	Show the assigned AppleTalk address. Note: The AppleTalk address can be changed only from the Embedded Web Server.
Set Zone [list of zones available on the network]	Provide a list of AppleTalk zones available on the network. Note: The default zone for the network is the factory default setting.

Standard USB menu

Use	То
PCL SmartSwitch On	Set the printer to automatically switch to PCL emulation when a print job received through a USB port requires it, regardless of the default printer language.
Off	Notes:
	On is the factory default setting.
	 When set to Off, the printer does not examine incoming data. The printer uses PostScript emulation if the PS SmartSwitch is set to On. It uses the default printer language specified in the Setup menu if the PS SmartSwitch is set to Off.
PS SmartSwitch	Set the printer to automatically switch to PS emulation when a print job received
On	through a USB port requires it, regardless of the default printer language.
Off	Notes:
	On is the factory default setting.
	 When set to Off, the printer does not examine incoming data. The printer uses PCL emulation if the PCL SmartSwitch is set to On. It uses the default printer language specified in the Setup menu if the PCL SmartSwitch is set to Off.

Use	То
NPA Mode On Off	Set the printer to perform the special processing required for bidirectional communication following the conventions defined by the NPA protocol. Notes:
Auto	 Auto is the factory default setting. Auto sets the printer to examine data, determine the format, and then process it appropriately.
	 The printer automatically restarts when changing the setting from the printer control panel. The menu selection is then updated.
USB Buffer	Set the size of the USB input buffer.
Disabled	Notes:
Auto 3K to [maximum size allowed]	Auto is the factory default setting.
Six to [maximum size anowea]	 Disabled turns off job buffering. Any jobs already buffered on the printer hard disk are printed before normal processing resumes.
	The USB buffer size value can be changed in 1-K increments.
	 The maximum size allowed depends on the amount of memory in the printer, the size of the other link buffers, and whether Resource Save is set to On or Off.
	 To increase the maximum size range for the USB Buffer, disable or reduce the size of the parallel, serial, and network buffers.
	• The printer automatically restarts when the setting is changed from the printer control panel. The menu selection is then updated.
Job Buffering	Temporarily store print jobs in the printer hard disk before printing.
Off	Notes:
On Auto	Off is the factory default setting.
Auto	On buffers jobs on the printer hard disk.
	 Auto buffers print jobs only if the printer is busy processing data from another input port.
	 Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.
Mac Binary PS	Set the printer to process Macintosh binary PostScript print jobs.
On	Notes:
Off	Auto is the factory default setting.
Auto	On processes raw binary PostScript print jobs.
	Off filters print jobs using the standard protocol.
ENA Address	Set the network address information for an external print server.
ууу.ууу.ууу	Note: This menu is available only when the printer is attached to an external print server through the USB port.
ENA Netmask	Set the netmask information for an external print server.
ууу.ууу.ууу	Note: This menu is available only when the printer is attached to an external print server through the USB port.

Use	То
ENA Gateway	Set the gateway information for an external print server.
ууу.ууу.ууу	Note: This menu is available only when the printer is attached to an external print server through the USB port.

Parallel [x] menu

Note: This menu appears only when an optional parallel card is installed.

Use	То
PCL SmartSwitch On	Set the printer to automatically switch to PCL emulation when a print job received through a serial port requires it, regardless of the default printer language.
Off	Notes:
	On is the factory default setting.
	 When set to Off, the printer does not examine incoming data. The printer uses PostScript emulation if PS SmartSwitch is set to On. It uses the default printer language specified in the Setup menu if PS SmartSwitch is set to Off.
PS SmartSwitch On	Set the printer to automatically switch to PS emulation when a print job received through a serial port requires it, regardless of the default printer language.
Off	Notes:
	On is the factory default setting.
	 When set to Off, the printer does not examine incoming data. The printer uses PCL emulation if PCL SmartSwitch is set to On. It uses the default printer language specified in the Setup menu if PCL SmartSwitch is set to Off.
NPA Mode On	Set the printer to perform the special processing required for bidirectional communication following the conventions defined by the NPA protocol.
Off	Notes:
Auto	Auto is the factory default setting.
	 Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.
Parallel Buffer	Set the size of the parallel input buffer.
Disabled	Notes:
Auto 3K to [maximum size allowed]	Auto is the factory default setting.
on to [maximum size anowed]	 Disabled turns off job buffering. Any print jobs already buffered on the printer hard disk are printed before normal processing resumes.
	The parallel buffer size setting can be changed in 1-KB increments.
	 The maximum size allowed depends on the amount of memory in the printer, the size of the other link buffers, and whether Resource Save is set to On or Off.
	 To increase the maximum size range for the Parallel Buffer, disable or reduce the size of the USB, serial, and network buffers.
	 Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.

Use	То
Job Buffering	Temporarily store print jobs on the printer hard disk before printing.
Off	Notes:
On Auto	Off is the factory default setting.
Auto	On buffers print jobs on the printer hard disk.
	 Auto buffers print jobs only if the printer is busy processing data from another input port.
	 Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.
Advanced Status	Enable bidirectional communication through the parallel port.
On	Notes:
Off	On is the factory default setting.
	Off disables parallel port negotiation.
Protocol	Specify the parallel port protocol.
Standard	Notes:
Fastbytes	 Fastbytes is the factory default setting. It provides compatibility with most existing parallel ports and is the recommended setting.
	Standard tries to resolve parallel port communication problems.
Honor Init On	Determine if the printer honors printer hardware initialization requests from the computer.
Off	Notes:
	Off is the factory default setting.
	 The computer requests initialization by activating the Init signal from the parallel port. Many personal computers activate the Init signal each time the computer is turned on.
Parallel Mode 2 On	Determine if the parallel port data is sampled on the leading or trailing edge of a strobe.
Off	Note: On is the factory default setting.
Mac Binary PS	Set the printer to process Macintosh binary PostScript print jobs.
On	Notes:
Off Auto	Auto is the factory default setting.
Auto	Off filters print jobs using the standard protocol.
	 On processes raw binary PostScript print jobs.
ENA Address	Set the network address information for an external print server.
ууу.ууу.ууу	Note: This menu item is available only if the printer is attached to an external print server through the USB port.
ENA Netmask	Set the netmask information for an external print server.
ууу.ууу.ууу	Note: This menu item is available only if the printer is attached to an external print server through the USB port.
	•

Use	То
ENA Gateway	Set the gateway information for an external print server.
ууу.ууу.ууу	Note: This menu item is available only if the printer is attached to an external print server through the USB port.

Serial [x] menu

Note: This menu appears only when an optional serial card is installed.

Use	То
PCL SmartSwitch On	Set the printer to automatically switch to PCL emulation when a print job received through a serial port requires it, regardless of the default printer language.
Off	Notes:
	On is the factory default setting.
	 When set to Off, the printer does not examine incoming data. The printer uses PostScript emulation if PS SmartSwitch is set to On. It uses the default printer language specified in the Setup menu if PS SmartSwitch is set to Off.
PS SmartSwitch On	Set the printer to automatically switch to PS emulation when a print job received through a serial port requires it, regardless of the default printer language.
Off	Notes:
	On is the factory default setting.
	 When set to Off, the printer does not examine incoming data. The printer uses PCL emulation if PCL SmartSwitch is set to On. It uses the default printer language specified in the Setup menu if PCL SmartSwitch is set to Off.
NPA Mode On	Set the printer to perform the special processing required for bidirectional communication following the conventions defined by the NPA protocol.
Off	Notes:
Auto	 Auto is the factory default setting. Auto sets the printer to examine data, determine the format, and then processes it appropriately.
	 When set to On, the printer performs NPA processing. If the data is not in NPA format, it is rejected as bad data.
	When set to Off, the printer does not perform NPA processing.
	Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.

Use	То
Serial Buffer	Set the size of the serial input buffer.
Disabled	Notes:
Auto 3K to [maximum size allowed]	Auto is the factory default setting.
Sk to [maximum size allowed]	 Disabled turns off job buffering. Any jobs already buffered on the disk are printed before normal processing is resumed.
	The serial buffer size setting can be changed in 1-KB increments.
	 The maximum size allowed depends on the amount of memory in the printer, the size of the other link buffers, and whether Resource Save is set to On or Off.
	 To increase the maximum size range for the Serial Buffer, disable or reduce the size of the parallel, serial, and network buffers.
	 Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.
Job Buffering	Temporarily store print jobs on the printer hard disk before printing.
Off	Notes:
On Auto	 Off is the factory default setting. The printer does not buffer print jobs on the printer hard disk.
	On buffers print jobs on the printer hard disk.
	 Auto buffers print jobs only if the printer is busy processing data from another input port.
	 Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.
Protocol	Select the hardware and software handshaking settings for the serial port.
DTR	Notes:
DTR/DSR XON/XOFF	DTR is the factory default setting.
XON/XOFF/DTR	DTR/DSR is a hardware handshaking setting.
XONXOFF/DTRDSR	XON/XOFF is a software handshaking setting.
	 XON/XOFF/DTR and XON/XOFF/DTR/DSR are combined hardware and software handshaking settings.
Robust XON	Determine whether the printer communicates availability to the computer.
On	Notes:
Off	Off is the factory default setting.
	 This menu item applies only to the serial port if Serial Protocol is set to XON/XOFF.

Use	То
Baud	Specify the rate at which data can be received through the serial port.
1200	Notes:
2400	
4800	9600 is the factory default setting.
9600	• 138200, 172800, 230400, and 345600 baud rates are only displayed in the
19200	Standard Serial menu. These settings do not appear in the Serial Option 1, Serial Option 2, or Serial Option 3 menus.
38400	Serial Option 2, or Serial Option 3 menus.
57600	
115200	
138200	
172800	
230400	
345600	
Data Bits	Specify the number of data bits sent in each transmission frame.
7	Note: 8 is the factory default setting.
8	
Parity	Set the parity for serial input and output data frames.
Even	Note: None is the factory default setting.
Odd	
None	
Ignore	
Honor DSR	Determine whether the printer uses the DSR Signal.
On	Notes:
Off	
	Off is the factory default setting.
	 DSR is a handshaking signal used by most serial cables. The serial port uses DSR to distinguish data sent by the computer from data created by electrical noise in the serial cable. The electrical noise can cause stray characters to print. Set this to On to prevent stray characters from printing.

SMTP Setup menu

Use	То
Primary SMTP Gateway	Specify SMTP server gateway and port information.
Primary SMTP Gateway Port	Note: 25 is the default SMTP gateway port.
Secondary SMTP Gateway	
Secondary SMTP Gateway Port	
SMTP Timeout 5–30	Specify the amount of time in seconds before the server stops trying to send an e-mail.
	Note: 30 seconds is the factory default setting.
Reply Address	Specify a reply address of up to 128 characters in the e-mail sent by the printer.

Use	То
Use SSL Disabled	Set the printer to use SSL for increased security when connecting to the SMTP server.
Negotiate	Notes:
Required	Disabled is the factory default setting.
	 When the Negotiate setting is used, the SMTP server determines if SSL will be used.
SMTP Server Authentication No authentication required	Specify the type of user authentication required for scan-to e-mail privileges.
Login/Plain CRAM-MD5	Note: "No authentication required" is the factory default setting.
Digest-MD5	
NTLM	
Kerberos 5	
Device-Initiated E-mail	Specify what credentials will be used when communicating to the SMTP
None	server. Some SMTP servers require credentials to send an e-mail.
Use Device SMTP Credentials	Notes:
User-Initiated E-mail*	None is the factory default setting for Device-Initiated E-mail and
None	User-Initiated E-mail.
Use Device SMTP Credentials	Device Userid and Device Password are used to log in to the SMTP
Use Session User ID & Password	server when Use Device SMTP Credentials is selected.
Use Session E-mail address & Password	
Prompt User	
Device Userid	
Device Password	
Kerberos 5 Realm	
NTLM Domain	

Security menu

Edit Security Setups menu

Use	То
Edit Backup Password	Create a backup password.
Use Backup Password	Notes:
• Off	Off is the factory default setting for "Use Backup Password."
• On	·
Password	This menu item appears only if a backup password exists.

Use	То
Edit Building Blocks Internal Accounts NTLM Simple Kerberos Setup Kerberos Setup Active Directory LDAP LDAP+GSSAPI Password PIN	Edit settings for Internal Accounts, NTLM, Simple Kerberos Setup, Kerberos Setup, Active Directory, LDAP, Password, and PIN.
Edit Security Templates [list of available templates]	Add or edit a security template.
Edit Access Controls Administrative Menus Function Access Management Solutions Cancel jobs at the Device	Control access to printer menus, firmware updates, held jobs, and other access points.

Miscellaneous Security Settings menu

Use	То
Login Restrictions Login failures	Limit the number and time frames of failed login attempts from the printer control panel before all users are locked out.
Failure time frame Lockout time	Notes:
Panel Login Timeout Remote Login Timeout	 "Login failures" specifies the number of failed login attempts before users are locked out. Settings range from 1 to 10 attempts is the factory default setting.
	 "Failure time frame" specifies the time frame during which failed login attempts can be made before users are locked out. Settings range from 1 to 60 minutes. 5 minutes is the factory default setting.
	 "Lockout time" specifies how long users are locked out after exceeding the login failures limit. Settings range from 1 to 60 minutes. 5 minutes is the factory default setting. 1 indicates the printer does not impose a lockout time.
	 "Panel Login Timeout" specifies how long the printer remains idle on the Home screen before automatically logging the user off. Settings range from 1 to 900 seconds. 30 seconds is the factory default setting.
	 "Remote Login Timeout" specifies how long a remote interface remains idle before automatically logging the user off. Settings range from 1 to 120 seconds. 10 minutes is the factory default setting.

Use	То
Security Reset Jumper Access controls="No Security" No Effect Reset factory security defaults	 Change the value of the security settings. Notes: Access controls="No Security" retains all the security information that the user has defined. "No Security" is the factory default setting. "No Effect" means the reset has no effect on the device's security configuration. "Reset factory security defaults" deletes all security information that the user has defined, and assigns the factory default value to each setting in the Miscellaneous Security Settings section of both the panel and the Embedded Web Server.
LDAP Certificate Verification Demand Try Allow Never	 Allow the user to request a server certificate. Notes: "Demand" means a server certificate is requested. If a bad certificate is provided or if no certificate is provided, then the session is terminated immediately. "Demand" is the factory default setting. "Try" means a server certificate is requested. If no certificate is provided, then the session proceeds normally. If a bad certificate is provided, then the session is terminated immediately. "Allow" means a server certificate is requested. If no certificate is provided, then the session proceeds normally. If a bad certificate is provided, then it will be ignored, and then the session proceeds normally. "Never" means no server certificate is requested.
Minimum PIN Length	Limit the digit length of the PIN.
1–16	Note: 4 is the factory default setting.

Confidential Print menu

Use	То
Max Invalid PIN Off 2-10	Set a limit on the number of times an invalid PIN can be entered. Notes: This menu item appears only when a formatted, working printer hard disk is installed. When the limit is reached, the print jobs for that user name and PIN are deleted.
Confidential Job Expiration Off 1 hour 4 hours 24 hours 1 week	 Set a limit on how long the printer stores confidential print jobs. Notes: If the "Confidential Job Expiration" setting is changed while confidential print jobs reside in the printer memory or printer hard disk, then the expiration time for those print jobs does not change to the new default value. If the printer is turned off, then all confidential jobs held in the printer memory are deleted.
Note: Off is the factory defa	ult setting.

Use	То
Repeat Job Expiration	Set a limit on how long the printer stores print jobs.
Off	
1 hour	
4 hours	
24 hours	
1 week	
Verify Job Expiration	Set a limit on how long the printer stores print jobs needing verification.
Off	
1 hour	
4 hours	
24 hours	
1 week	
Reserve Job Expiration	Set a limit on how long the printer stores print jobs for printing at a later time.
Off	
1 hour	
4 hours	
24 hours	
1 week	
Note: Off is the factory default setting.	

Erase Temporary Data Files menu

Erase Temporary Data Files deletes *only* print job data on the printer hard disk that *are not* currently in use by the file system. All permanent data on the printer hard disk are preserved, such as downloaded fonts, macros, and held jobs.

Note: This menu appears only when a formatted, working printer hard disk is installed.

Use	То
Wiping Mode Auto	Specify the mode for erasing temporary data files.
Automatic Method Single pass Multiple pass	Mark all disk space used by a previous print job. This method does not permit the file system to reuse this space until it has been cleared. Notes:
	 "Single pass" is the factory default setting. Only automatic wiping enables users to erase temporary data files without having to turn off the printer for an extended amount of time. Highly confidential information should be erased using <i>only</i> the Multiple pass
	method.

Security Audit Log menu

Use	То
Export Log	Enable an authorized user to export the security log.
	Notes:
	 To export the log from the printer control panel, attach a flash drive to the printer. To export the log from the Embedded Web Server, download the log to a computer.
Delete Log	Specify whether audit logs are deleted.
Yes	
No	
Configure Log	Specify how audit logs are configured.
Enable Audit	Notes:
Yes	
No	 Enable Audit determines if events are recorded in the secure audit log and remote syslog. No is the factory default setting.
Enable Remote Syslog	
No	 Enable Remote Syslog determines if logs are sent to a remote server. No is the factory default setting.
Yes	
Remote Syslog Server	 Remote Syslog Server determines the value used to send logs to the remote syslog server.
[256 character string]	 Remote Syslog Port identifies the port over which the printer transmits logged
Remote Syslog Port	events to a remote server.
1–65535	 Remote Syslog Method identifies the protocol used by the printer to transmit
Remote Syslog Method	logged events to a remote server. Normal UDP is the factory default setting.
Normal UDP	 Remote Syslog Facility determines the Facility value that the printer uses when
Stunnel	sending events to the remote syslog server. 4 is the factory default setting.
Remote Syslog Facility	 "Log full behavior" determines how the printer resolves if the log entirely fills
0–23	its allotted memory. "Wrap over oldest entries" is the factory default setting.
Log full behavior	
Wrap over oldest entries	
E-mail log then delete all entries	

Use	То
Configure Log (continued)	Specify how audit logs are configured.
Admin's e-mail address [256 character string]	Notes:
Digitally sign exports Off On	 "Admin's e-mail address" determines if administrators are automatically notified of certain log events. This setting can have one or more e-mail addresses (separated by commas).
Severity of events to log 0–7	 "Digitally sign exports" determines if the printer automatically signs each exported security log. Off is the factory default setting.
Remote Syslog non-logged events	 "Severity of events to log" records the severity value of each event. 4 is the factory default setting.
No Yes E-mail log cleared alert	 "Remote Syslog non-logged events" determines if the printer sends events to the remote server that have a severity level greater than the value of the "Severity of events to log" setting. No is the factory default setting.
No Yes E-mail log wrapped alert	 "E-mail log cleared alert" determines if the printer sends an e-mail to the administrator every time a log is deleted through the printer control panel or EWS. No is the factory default setting.
No Yes	 "E-mail log wrapped alert" determines if the printer sends the administrator an e-mail when log entries are wrapping. No is the factory default setting.
E-mail % full alert No Yes	 "E-mail % full alert" determines if the printer sends the administrator an e-mail when the log fills a certain amount of its allotted space. No is the factory default setting.
% full alert level 1–99	 "% full alert level" determines if the space occupied by log equals or exceeds the value of the full alert level. 90 is the factory default setting.
E-mail log exported alert No	 "E-mail log exported alert" determines if the printer sends the administrator an e-mail when there is a log exported. No is the factory default setting.
Yes E-mail log settings changed alert No	 "E-mail log settings changed alert" determines if the printer sends the administrator an e-mail when the value of the Enable Audit Log setting is toggled. No is the factory default setting.
Yes Log line endings LF (\n)	 "Log line endings" specifies how line endings will be handled in the log file, depending on the operating system in which the file will be parsed or viewed. "LF (\n)" is the factory default setting.
CR (\r) CRLF (\r\n)	

Set Date/Time menu

Use	То	
Current Date and Time	View the current date and time settings for the printer.	
Manually Set Date and Time	Enter the date and time.	
	Note: Date/Time is set in YYYY-MM-DD HH:MM:SS format.	
Time Zone	Select the time zone.	
	Note: GMT is the factory default setting.	

Use	То
Automatically Observe DST On	Set the printer to use the applicable daylight saving time (DST) start and end times associated with the printer Time Zone setting.
Off	Note: On is the factory default setting and uses the applicable Daylight Saving Time associated with the Time Zone setting.
Custom Time Zone Setup	Enable the user to set up the time zone.
DST Start Week	
DST Start Day	
DST Start Month	
DST Start Time	
DST End Week	
DST End Day	
DST End Month	
DST End Time	
DST Offset	
Enable NTP	Enable Network Time Protocol, which synchronizes the clocks of devices on a
On	network.
Off	Note: On is the factory default setting.
NTP Server	View the NTP server address.
Enable Authentication	Change the authentication setting to On or Off.
On	Note: Off is the factory default setting.
Off	

Settings menu

General Settings menu

Use	То
Display Language	Set the language of the text appearing on the display.
English	
Francais	
Deutsch	
Italiano	
Espanol	
Dansk	
Norsk	
Nederlands	
Svenska	
Portugues	
Suomi	
Russian	
Polski	
Greek	
Magyar	
Turkce	
Cesky	
Simplified Chinese	
Traditional Chinese	
Korean	
Japanese	
Show Supply Estimates	View the estimates of the supplies on the control panel, Embedded
Show estimates	Web Server, menu settings, and device statistics reports.
Do not show estimates	Note: Show estimates is the factory default setting.
Eco-Mode	Minimize the use of energy, paper, or specialty media.
Off	Note: Off is the factory default setting. This resets the printer to
Energy	its factory default settings.
Energy/Paper	
Paper	
ADF Loaded Beep	Specify whether the ADF sounds a beep when paper is loaded.
Enabled	Note: Enabled is the factory default setting.
Disabled	·
ADF Multi-feed Sensor	Detect when the ADF picks more than one sheet of paper at once.
On	Note: On is the factory default setting.
Off	
Quiet Mode	Minimize the printer noise.
Off	Note: Off is the factory default setting. This supports the
On	performance specifications for your printer.

Use	То
Run Initial setup	Run the setup wizard.
Yes	
No	
Keyboard	Specify a language and custom key information for the display
Keyboard Type	keyboard.
English	
Francais	
Francais Canadien	
Deutsch	
Italiano	
Espanol	
Greek	
Dansk	
Norsk	
Nederlands	
Svenska	
Suomi	
Portugues	
Russian	
Polski	
Swiss German	
Swiss French	
Korean	
Magyar	
Turkish	
Czech	
Simplified Chinese	
Traditional Chinese	
Japanese	
Custom Key [x]	
Paper Sizes	Specify the unit of measurement for paper sizes.
U.S.	Notes:
Metric	U.S. is the factory default setting. Metric is the international
	factory setting.
	 The initial setting is determined by your country or region selection in the initial setup wizard.
Scan to PC Port Range [port range]	Specify a valid port range for printers behind a port blocking firewall.
rb0~1	Note: 9751:12000 is the factory default setting.

Use	То
Displayed Information	Specify what is displayed on the upper corners of the home screen.
Left side	For Left side and Right side, select from the following options:
Right side	None
Custom Text [x]	IP Address
	Hostname
	Contact Name
	Location
	Date/Time
	mDNS/DDNS Service Name
	Zero Configuration Name
	Custom Text [x]
	Model Name
	Notes:
	IP Address is the factory default setting for Left side.
	Date/Time is the factory default setting for Right side.
Displayed Information (continued)	Customize the displayed information for Black Toner.
Black Toner	Select from the following options:
	When to display
	Do not display
	Display
	Message to Display
	Default
	Alternate
	Default
	[text entry]
	Alternate
	[text entry]
	Notes:
	Do not display is the factory default setting for When to display.
	Default is the factory default setting for Message to Display.

Use	То
Displayed Information (continued) Paper Jam Load Paper Service Errors	Customize the displayed information for certain menus. Select from the following options: Display Yes No Message to display Default Alternate Default [text entry] Alternate [text entry] Notes:
	 No is the factory default setting for Display. Default is the factory default setting for Message to Display.
Home screen customization Change Language Copy Copy Shortcuts Fax Fax Shortcuts E-mail E-mail Shortcuts FTP FTP Shortcuts Search Held Jobs Held Jobs USB Drive Profiles and Apps Bookmarks Jobs by User Forms and Favorites Card Copy Scan to Network MyShortcut Multi Send	Change the icons that appear on the home screen. For each icon, select from the following options: Display Do Not display Notes: Display is the factory default setting for Copy, Fax, E-mail, FTP, Search Held Jobs, Held jobs, USB Drive, Forms and Favorites, Card Copy, Scan to Network, MyShortcut, and Multi Send menus. Do not display is the factory default setting for Change language, Copy shortcuts, Fax Shortcuts, E-mail Shortcuts, FTP Shortcuts, Profiles and Apps, Bookmarks, and Jobs by User menus.
Date Format MM-DD-YYYY DD-MM-YYYY YYYY-MM-DD	Format the date. Note: MM-DD-YYYY is the U.S. factory default setting. DD-MM-YYYY is the international factory default setting.
Time Format 12 hour A.M./P.M. 24 hour clock	Format the time. Note: 12 hour A.M./P.M. is the factory default setting.

Use	То
Screen Brightness	Specify the brightness of the display.
20–100	Note: 100 is the factory default setting.
One Page Copy	Set copies from the scanner glass to only one page at a time.
Off	Note: Off is the factory default setting.
On	
Output Lighting	Set the output lighting for the standard bin.
Normal/Standby Mode	Notes:
Off Dim	Dim is the factory default setting if Eco-Mode is set to
Bright	Energy or Energy/Paper.
Silgin	 Bright is the factory default setting if Eco-Mode is Off or set to Paper.
Error Lighting On	Enable the indicator light to blink red when the printer encounters an error.
Off	Note: On is the factory default setting.
Audio Feedback	Set the audio volume for the buttons.
Button Feedback	Notes:
On	On is the factory default setting for Button Feedback.
Off	• 5 is the factory default setting for Volume.
Volume 1–10	
Tactile Touchscreen Feedback	Enable touch-screen sensation feedback.
On	Note: On is the factory default setting.
Off	Note: on is the factory default setting.
Show Bookmarks	Specify whether bookmarks are displayed from the Held Jobs area.
Yes	Note: Yes is the factory default setting.
No	
Allow Background Removal	Specify whether image background removal is allowed.
On Off	Note: On is the factory default setting.
Allow Custom Job Scans	Scan multiple jobs to one file.
On	Note: On is the factory default setting. If On is selected, then the
Off	Allow Custom Job Scans setting can be enabled for specific jobs.
Scanner Jam Recovery Job level	Specify how a scanned job should be reloaded if a paper jam occurs in the ADF.
Page level	Notes:
	Job level is the factory default setting.
	 If Job level is selected, then the entire job must be rescanned if any pages jam.
	 If Page level is selected, then rescan from the jammed page forward.

Use	То
Web Page Refresh Rate 30–300	Specify the number of seconds between Embedded Web Server refreshes.
	Note: 120 is the factory default setting.
Contact Name	Specify a contact name.
	Note: The contact name is stored on the Embedded Web Server.
Location	Specify the location.
	Note: The location is stored on the Embedded Web Server.
Alarms Alarm Control Cartridge Alarm	Set an alarm when the printer requires user intervention. For each alarm type, select from the following options: Off Single Continuous
	Notes:
	 Single is the factory default setting for Alarm Control. Single sounds three quick beeps.
	 Off is the factory default setting for Cartridge Alarm.
	 Continuous repeats three beeps every 10 seconds.
Timeouts Standby Mode	Specify the number of minutes of inactivity before the printer enters a lower power state.
Disabled 1–240	Note: 15 is the factory default setting.
Timeouts Sleep Mode	Set the amount of time in minutes the printer waits after a job is printed before it goes into a reduced power state.
Disabled	Notes:
1–120	• 20 is the factory default setting.
	 Lower settings conserve more energy, but may require longer warm-up times.
	 Select the lowest setting if the printer shares an electrical circuit with room lighting or you notice lights flickering in the room.
	 Select a high setting if the printer is in constant use. Under most circumstances, this keeps the printer ready to print with minimum warm-up time.
Timeouts	Print a job with the display turned off.
Print with Display Off Allow printing with display off Display on when printing	Note: Display on when printing is the factory default setting.

Use	То
Timeouts Hibernate Timeout Disabled 20 seconds 1–3 hours 6 hours 1–3 days 1–2 weeks 1 month	Set the amount of time before the printer enters Hibernate mode. Note: 3 days is the factory default setting.
Hibernate Timeout on Connection Hibernate Do Not Hibernate	Set the printer to Hibernate mode even if there is an active Ethernet or phone connection. Note: Hibernate is the factory default setting.
Timeouts Screen Timeout 15–300	Set the amount of time in seconds before returning the control panel to a Ready state. Note: 30 is the factory default setting.
Timeouts Prolong Screen Timeout On Off	Set the printer to continue a specified job without returning to the home screen when the screen timeout timer expires. Note: Off is the factory default setting.
Timeouts Print Timeout Disabled 1–255	 Set the amount of time in seconds the printer waits to receive an end-of-job message before canceling the rest of the print job. Notes: 90 is the factory default setting. When the timer expires, any partially printed page still in the printer is printed, and then the printer checks to see if any new print jobs are waiting. Print Timeout is available only when using PCL emulation. This has no effect on PostScript emulation print jobs.
Timeouts Wait Timeout Disabled 15–65535	Set the amount of time in seconds the printer waits for additional data before canceling a print job. Notes: 40 is the factory default setting. Wait Timeout is available only when the printer is using PostScript emulation. This has no effect on PCL emulation print jobs.
Timeouts Job Hold Timeout 5–255	Set the amount of time the printer waits for user intervention before it holds jobs that require unavailable resources and continues to print other jobs in the print queue. Notes: 30 is the factory default setting. This menu appears only when a printer hard disk is installed.

Use	То
Error Recovery Auto Reboot Reboot when idle Reboot always Reboot never	Set the printer to restart when an error occurs Note: Reboot always is the factory default setting.
Error Recovery Max Auto Reboots 1–20 Print Recovery Auto Continue Disabled 5–255	Determine the number of automatic reboots the printer can perform. Note: 2 is the factory default setting. Let the printer automatically continue printing from certain offline situations when these are not resolved within the specified time period. Note: Disabled is the factory default setting.
Print Recovery Jam Recovery On Off Auto	Specify whether the printer reprints jammed pages. Note: Auto is the factory default setting. The printer reprints jammed pages unless the memory required to hold the pages is needed for other printer tasks.
Print Recovery Jam Assist On Off	Set the printer to automatically check for jammed paper. Note: On is the factory default setting.
Print Recovery Page Protect Off On	 Successfully print a page that may not have printed otherwise. Notes: Off is the factory default setting. This prints a partial page when there is not enough memory to print the whole page. On sets the printer to process the whole page so that the entire page prints.
Press Sleep Button Do Nothing Sleep Hibernate	Determine how the printer, when in idle state, reacts to a short press of the Sleep button. Notes: Sleep is the factory default setting. Touch anywhere on the display or press a button on the control panel to exit Sleep or Hibernate mode.
Press and Hold Sleep Button Do Nothing Sleep Hibernate	Determine how the printer, when in idle state, reacts to a long press of the Sleep. Notes: Do Nothing is the factory default setting. Touch anywhere on the display or press a button on the control panel to exit Sleep or Hibernate mode.

Use	То
Factory Defaults Do Not Restore Restore Now	Use the printer factory default settings. Note: Do Not Restore is the factory default setting.
Export Configuration Package Export	Export the printer configuration file to a flash drive.

Copy Settings menu

Use	То
Content Type	Specify the content of the original document.
Text Graphics Text/Photo Photo	Note: Text/Photo is the factory default setting.
Content Source	Specify how the original document was produced.
Black/White Laser Color Laser Inkjet Photo/Film Magazine Newspaper Press Other	Note: Black/White Laser is the factory default setting.
Sides (Duplex) 1 sided to 1 sided	Specify whether an original document is two-sided (duplex) or one-sided, and then to specify whether the copy should be two-sided or one-sided.
1 sided to 2 sided 2 sided to 1 sided 2 sided to 2 sided	Notes: • 1 sided to 1 sided—The original document has print on one side and the copy will also have print on one side.
	• 1 sided to 2 sided—The original document has print on one side, while the copy will have print on both sides.
	• 2 sided to 1 sided—The original document has print on both sides, while the copy will have print on just one side.
	 2 sided to 2 sided—The original document has print on both sides, and the copy will also have print on both sides.
Paper Saver	Allow copying two or four sheets of a document on one page.
Off 2-up Portrait 2-up Landscape 4-up Portrait 4-up Landscape	Note: Off is the factory default setting.
Print Page Borders	Specify whether or not a border is printed.
On Off	Note: Off is the factory default setting.

Use	То
Collate	Keep the pages of a print job stacked in sequence when printing multiple copies.
(1,1,1) (2,2,2)	Note: "(1,2,3) (1,2,3)" is the factory default setting.
(1,2,3) (1,2,3)	
Original Size	Specify the paper size of the original document.
Letter	Notes:
Legal	
Executive	Letter is the U.S. factory default setting.
Folio	 A4 is the international factory default setting.
Statement	
Oficio (Mexico)	
Universal	
Auto Size Sense	
Mixed Sizes	
A4	
A5	
A6	
JIS B5	
Difficult Media Letter	
Difficult Media A5	
Difficult Media Legal	
Difficult Media A4	
Custom Scan Size [x]	
Book Original	
Business Card	
3 x 5 in.	
4 x 6 in.	
ID Card	
Copy To Source	Specify the paper source for copy jobs.
Tray [x]	Note: Tray 1 is the factory default setting.
Auto Size Match	
Multipurpose Feeder	
Transparency Separators	Place a sheet of paper between transparencies.
On	Note: On is the factory default setting.
Off	,
Separator Sheets	Place a sheet of paper between pages, copies, or jobs.
Off	Note: Off is the factory default setting.
Between Copies	,
Between Jobs	
Between Pages	
Separator Sheet Source	Specify the paper source for the separator sheet.
Tray [x]	Note: Tray 1 is the factory default setting.
Multipurpose Feeder	, , , , , , , , , , , , , , , , , , , ,

Use	То
Darkness	Specify the level of darkness for the copy job.
1–9	Note: 5 is the factory default setting.
Number of Copies	Specify the number of copies for the copy job.
1–999	Note: 1 is the factory default setting.
Header/Footer [Location] Off Date/Time Page number Custom text Print on All pages First page only All but first page Custom text	Specify the header or footer information and its location on the page. For the location, select from the following options: Top left Top middle Top right Bottom left Bottom middle Bottom right Notes: Off is the factory default setting for the location. "All pages" is the factory default setting for "Print on."
Overlay Confidential Copy Draft Urgent Custom Off	Specify the overlay text printed on each page of the copy job. Note: Off is the factory default setting.
Custom Overlay	Specify the custom overlay text. Note: A maximum of 64 characters is allowed.
Allow priority copies On Off	Allow interruption of a print job to copy a page or document. Note: On is the factory default setting.
On Off	Copy, in a single copy job, a document that contains mixed paper sizes. Notes: Off is the factory default setting. This menu appears only when a working printer hard disk is installed.
Allow Save as Shortcut On Off	Save custom copy settings as shortcuts. Note: On is the factory default setting.
Background Removal -4 to 4	Adjust the amount of background visible on a copy. Note: 0 is the factory default setting.
Auto Center Off On	Automatically center the content on the page. Note: Off is the factory default setting.

Use	То
Color Dropout Color Dropout None	Specify which color to drop during scanning and to adjust the dropout setting for each color threshold. Notes:
Red Green Blue Default Red Threshold 0–255 Default Green Threshold 0–255 Default Blue Threshold 0–255	 None is the factory default setting for Color Dropout. 128 is the factory default setting for each color threshold.
Contrast 0–5 Best for content	Specify the contrast used for the copy job. Note: "Best for content" is the factory default setting.
Mirror Image Off On	Create a mirror image of the original document. Note: Off is the factory default setting.
Negative Image Off On	Create a negative image of the original document. Note: Off is the factory default setting.
Shadow Detail -4 to 4	Adjust the amount of shadow detail visible on a copy. Note: 0 is the factory default setting.
Scan edge to edge Off On	Allow edge-to-edge scanning of the original document. Note: Off is the factory default setting.
Sharpness 1–5	Adjust the amount of sharpness of a copy. Note: 3 is the factory default setting.
Sample Copy Off On	Create a sample copy of the original document. Note: Off is the factory default setting.

Fax Settings menu

Fax Mode (Analog Fax Setup) menu

Analog Fax Setup mode sends the fax job through a telephone line.

General Fax Settings

Use	То
Restore Factory Defaults	Restore the factory defaults of all fax settings.

Use	То
Optimize Fax Compatibility	Optimize fax compatibility with other fax machines.
Fax Name	Specify the name of the fax in the printer.
Fax Number	Specify the number assigned to the fax.
Fax Name Fax Number	Specify how the fax is identified. Note: Fax Number is the factory default setting.
Enable Manual Fax On Off	 Set the printer to fax manually, which requires a line splitter and a telephone handset. Notes: Off is the factory default setting. Use a regular telephone to answer an incoming fax job and to dial a fax number. Press # 0 on the numeric keypad to go directly to this setting.
Memory Use All receive Mostly receive Equal Mostly send All send	Define the allocation of non-volatile memory between sending and receiving fax jobs. Note: Equal is the factory default setting.
Cancel Faxes Allow Don't Allow	Specify whether canceling of fax jobs is allowed. Note: Allow is the factory default setting.
Caller ID Off Primary Alternate	Specify the type of caller ID being used.
Fax number masking Off From left From right	 Specify the direction from where digits are masked in an outgoing fax number. Notes: Off is the factory default setting. The number of characters masked is determined by the "Digits to mask" setting.
Digits to Mask 0-58	Specify the number of digits to mask in an outgoing fax number. Note: 0 is the factory default setting.

Use	То
Fax Cover Page	Configure the fax cover page.
Fax Cover Page Off by default On by default Never use Always use Include to Field On Off Include from Field On Off From Include Message Field On Off Message Include Logo On Off Include Footer [x] On Off Footer [x]	Notes: Off by default is the factory default setting for Fax Cover Page. Off is the factory default setting for all other menu items.

Fax Send Settings

Use	То
Resolution	Specify quality in dots per inch (dpi). A higher resolution gives better print quality, but
Standard	increases the fax transmission time for outgoing faxes.
Fine 200 dpi	Note: Standard is the factory default setting.
Super Fine 300 dpi	
Ultra Fine 600 dpi	

Use	То
Original Size	Specify the size of the original document.
Letter	Note: Mixed Sizes is the U.S. factory default setting. A4 is the international factory
Legal	default setting.
Executive	
Folio	
Statement	
Oficio (Mexico)	
Universal	
Auto Size Sense	
Mixed Sizes	
A4	
A5	
A6	
JIS B5	
Custom Scan Size [x]	
Book Original	
Business Card	
3 x 5 in.	
4 x 6 in.	
Sides (Duplex)	Specify the orientation of the original documents loaded in the ADF for two-sided
Off	scanning.
Long edge	Note: Off is the factory default setting.
Short edge	
Content Type	Specify the content of the original document.
Text	Note: Text is the factory default setting.
Graphics	
Text/Photo	
Photo	
Content Source	Specify how the original document was produced.
Black/White Laser	Note: Black/White Laser is the factory default setting.
Color Laser	
Inkjet	
Photo/Film	
Magazine	
Newspaper	
Press	
Other	
Darkness	Lighten or darken the output.
1–9	Note: 5 is the factory default setting.
Dial Prefix	Enter a dialing prefix, such as 99. A numeric entry field is provided.
Dialing Prefix Rules	Establish a dialing prefix rule.
Prefix Rule [x]	

Use	То
Automatic Redial	Specify the number of times the printer tries to send the fax to a specified number.
0–9	Note: 5 is the factory default setting.
Redial frequency	Specify the number of minutes between redials.
1–200	Note: 3 is the factory default setting.
Behind a PABX	Enable or disable switchboard blind dialing without a dial tone.
Yes	Note: No is the factory default setting.
No	
Enable ECM	Enable or disable Error Correction Mode for fax jobs.
Yes	Note: Yes is the factory default setting.
No .	
Enable Fax Scans On	Fax files that are scanned at the printer.
Off	Note: On is the factory default setting.
Driver to fax	Allow the print driver to send fax jobs.
Yes	Note: Yes is the factory default setting.
No	·
Allow Save as Shortcut	Save fax numbers as shortcuts in the printer.
On	Note: On is the factory default setting.
Off	
Dial Mode	Specify the dialing sound.
Tone Pulse	Note: Tone is the factory default setting.
Max Speed	Specify the maximum speed in baud at which faxes are sent.
2400	Note: 33600 is the factory default setting.
4800	Note: 33000 is the factory default setting.
9600	
14400	
33600	
Custom Job scanning	Scan a document that contains mixed paper sizes into a single file.
On Off	Notes:
OII	Off is the factory default setting.
	 This menu item appears only when a formatted, working printer hard disk is installed.
Scan Preview	Specify whether a preview appears on the display for scan jobs.
On	Notes:
Off	Off is the factory default setting.
	 This menu item appears only when a formatted, working printer hard disk is installed.
Background Removal	Adjust the amount of background visible on a scanned image.
-4 to 4	Note: 0 is the factory default setting.

Use	То
Color Balance Cyan - Red Magenta - Green Yellow - Blue	Enable an equal balance of colors in the scanned image.
Color Dropout Color Dropout None Red Green Blue Default Red Threshold 0-255 Default Green Threshold 0-255 Default Blue Threshold 0-255	Specify which color to drop and to adjust the dropout setting for each color threshold. Notes: None is the factory default setting for Color Dropout. 128 is the factory default setting for each color threshold.
Contrast 0-5 Best for content	Specify the contrast in the scanned image. Note: Best for content is the factory default setting.
Mirror Image Off On	Create a mirror image of the original document. Note: Off is the factory default setting.
Negative Image Off On	Create a negative image of the original document. Note: Off is the factory default setting.
Shadow Detail -4 to 4	Adjust the amount of shadow detail visible. Note: 0 is the factory default setting.
ADF Multi-feed Sensor On Off	Detect when the ADF picks more than one sheet of paper at once. Note: On is the factory default setting.
Scan edge to edge Off On	Specify whether the original document is scanned edge-to-edge. Note: Off is the factory default setting.
Sharpness 1–5	Adjust the sharpness of a fax. Note: 3 is the factory default setting.
Temperature -4 to 4	Specify warm or cool outputs. Cool values generate a bluer output than the default while warm values generate a redder output than the default. Note: 0 is the factory default setting.

Use	То
Enable Color Fax Scans Off by default On by default Never use Always use	Enable color faxing. Note: Off by default is the factory default setting.
Auto Convert Color Faxes to Mono Faxes On Off	Convert all outgoing faxes to black and white. Note: On is the factory default setting.

Fax Receive Settings

Use	То
Enable Fax Receive	Allow the printer to receive fax jobs.
On	Note: On is the factory default setting.
Off	
Enable Caller ID	Display the caller ID information of an incoming fax.
On	Note: On is the factory default setting.
Off	
Fax Job Waiting	Remove fax jobs from the print queue when the job requires specific unavailable
None Toner	resources.
Toner and Supplies	Note: None is the factory default setting.
Rings to Answer	Specify the number of rings before answering an incoming fax job.
1–25	Note: 3 is the factory default setting.
Auto Anguer	<u> </u>
Auto Answer Yes	Set the printer to receive faxes automatically.
No	Note: Yes is the factory default setting.
Manual Answer Code	Manually enter a code on the telephone number pad to begin receiving a fax.
0–9	Notes:
	9 is the factory default setting.
	This menu item is used when the printer shares a line with a telephone.
Auto Reduction	Scale an incoming fax job so that it fits the size of the paper loaded in the designated fax source.
On Off	
	Note: On is the factory default setting.
Paper Source Auto	Specify the paper source for printing incoming fax jobs.
Tray [x]	Note: Auto is the factory default setting.
Multipurpose Feeder	
Sides (Duplex)	Enable two-sided printing for incoming fax jobs.
Off	Note: Off is the factory default setting.
On	, and a second s

Use	То
Separator Sheets Off Before Job After Job	Enable the printer to include separator sheets for incoming fax jobs. Note: Off is the factory default setting.
Separator Sheet Source Tray [x] Multipurpose Feeder	Specify the paper source for the separator sheet. Note: Tray 1 is the factory default setting.
Output Bin Standard Bin Bin [x]	Specify a bin for received faxes. Note: Standard Bin is the factory default setting.
Fax Footer On Off	Print the transmission information at the bottom of each page from a received fax. Note: Off is the factory default setting.
Max Speed 2400 4800 9600 14400 33600	Specify the maximum speed in baud at which faxes are received. Note: 33600 is the factory default setting.
Fax Forwarding Print Print and Forward Forward	Enable forwarding of received faxes to another recipient. Note: Print is the factory default setting.
Forward to Fax E-mail FTP LDSS eSF	Specify the type of recipient to which faxes are forwarded. Notes: Fax is the factory default setting. This menu is available only from the printer Embedded Web Server.
Forward to Shortcut	Enter the shortcut number that matches the recipient type (Fax, E-mail, FTP, LDSS, or eSF).
Block No Name Fax Off On	Enable blocking of incoming faxes sent from devices with no station ID or fax ID specified. Note: Off is the factory default setting.
Banned Fax List	Enable the list of blocked fax numbers stored in the printer.
Holding Faxes Held Fax Mode Off Always On Manual Scheduled Fax Holding Schedule	Enable the printer to hold received faxes from printing until they are released. Held faxes can be released manually or at a scheduled day or time. Note: Off is the factory default setting.

Use	То
Enable Color Fax Receive	Enable the printer to receive fax in color and print it in grayscale.
On	Note: On is the factory default setting.
Off	

Fax Log Settings

Use	То
Transmission Log Print log Do not print log Print only for error	Enable printing of a transmission log after each fax job. Note: Print log is the factory default setting.
Receive Error Log Print Never Print on Error	Enable printing of a received error log. Note: Print Never is the factory default setting.
Auto Print Logs On Off	 Enable automatic printing of fax logs. Notes: On is the factory default setting. Logs print after every 200 fax jobs.
Log Paper Source Tray [x] Multipurpose Feeder	Specify the source of the paper used for printing logs. Note: Tray 1 is the factory default setting.
Logs Display Remote Station Name Dialed Number	Specify whether printed logs display the dialed number or the station name or fax name returned. Note: Remote Station Name is the factory default setting.
On Off	Enable access to the Fax Job log. Note: On is the factory default setting.
Enable Call Log On Off	Enable access to the Fax Call log. Note: On is the factory default setting.
Log Output Bin Standard Bin Bin [x]	Specify the bin for the printed fax logs. Note: Standard Bin is the factory default setting.

Speaker Settings

Use	То
Speaker Mode	Specify the mode of the speaker.
Always Off	Note: On until Connected is the factory default setting. A sound is issued until the
On until Connected	fax connection is made.
Always On	

Use	То
Speaker Volume	Set the speaker volume to high or low.
High	Note: High is the factory default setting.
Low	
Ringer Volume	Enable or disable the ringer volume.
Off	Note: On is the factory default setting.
On	

Answer On

Use	То
All Rings	Specify ring patterns when the printer is answering calls.
Single Ring Only	Note: All Rings is the factory default setting.
Double Ring Only	
Triple Ring Only	
Single or Double Rings Only	
Single or Triple Rings Only	
Double or Triple Rings Only	

Fax Mode (Fax Server Setup) menu

Fax Mode sends the fax job to a fax server for transmission.

Use	То
To Format	Enter specific fax information.
Reply Address	
Subject	
Message	
SMTP Setup	Specify SMTP setup information.
Primary SMTP Gateway	Specify SMTP server port information.
Secondary SMTP Gateway	
Image Format	Specify the image format.
PDF (.pdf)	Note: PDF (.pdf) is the factory default setting.
XPS (.xps)	
TIFF (.tif)	
Content Type	Specify the content of the original document.
Text	Note: Text/Photo is the factory default setting.
Graphics	
Text/Photo	
Photo	

Use	То
Content Source	Specify how the content was originally produced.
Black/White Laser	Note: Black/White Laser is the factory default setting.
Color Laser	
Inkjet	
Photo/Film	
Magazine	
Newspaper	
Press	
Other	
Fax Resolution	Specify quality in dots per inch (dpi).
Standard	Note: Standard is the factory default setting.
Fine 200 dpi	
Super Fine 300 dpi	
Ultra Fine 600 dpi	
Darkness	Lighten or darken the output.
1–9	Note: 5 is the factory default setting.
Orientation	Specify the orientation of the scanned image.
Portrait	Note: Portrait is the factory default setting.
Landscape	
Original Size	Specify the size of the original document.
Letter	Note: Mixed Sizes is the U.S. factory default setting. A4 is the international factory
Legal	default setting.
Executive	
Folio	
Statement	
Oficio (Mexico)	
Universal	
Auto Size Sense	
Mixed Sizes A4	
A5	
A6	
JIS B5	
Difficult Media Letter	
Difficult Media A5	
Difficult Media Legal	
Difficult Media A4	
Custom Scan Size [x]	
Book Original	
Business Card	
3 x 5 in.	
4 x 6 in.	

Use	То
Use Multi-Page TIFF On Off	Provide a choice between single-page TIFF files and multiple-page TIFF files. For a multiple-page scan-to-fax job, either one TIFF file is created containing all the pages, or multiple TIFF files are created with one file for each page of the scan job. Note: On is the factory default setting.
Enable Analog Receive Off On	Enable receiving of analog faxes. Note: Off is the factory default setting.

E-mail Settings menu

Use	То
E-mail Server Setup Subject Message File Name	Specify e-mail server information.
E-mail Server Setup Send me a copy Never appears On by default Off by default Always On	Send a copy of the e-mail to the sender. Note: Never appears is the factory default setting.
E-mail Server Setup Max E-mail size 0–65535 KB	Specify the maximum e-mail size. Note: E-mails bigger than the specified maximum size are not sent.
E-mail Server Setup Size Error Message	Send a message when an e-mail is greater than the configured size limit.
E-mail Server Setup Limit destinations	Specify a domain name, such as a company domain name, and then limit e-mail destinations only to that domain name. Notes: E-mail can be sent only to the specified domain. The limit is one domain.
E-mail Server Setup Web Link Setup Server Login Password Path File Name Web Link	Define the e-mail server Web link settings. Note: The characters * : ? < > are invalid entries for a path name.

Use	То
Format	Specify the file format.
PDF (.pdf)	Note: PDF (.pdf) is the factory default setting.
TIFF (.tif)	Note: FDF (.pui) is the factory default setting.
JPEG (.jpg)	
XPS (.xps)	
RTF (.rtf)	
TXT (.txt)	
PDF Settings	Configure the PDF settings.
PDF Version	Notes:
1.2-1.7	Notes:
A-1a	• 1.5 is the factory default setting for PDF Version.
A-1b	 Normal is the factory default setting for PDF Compression. This menu item appears only when a formatted, working hard disk is installed.
PDF Compression Normal	 Off is the factory default setting for Secure PDF and Searchable PDF. Secure
High	PDF requires you to enter your password twice.
Secure PDF	
Off	
On	
Searchable PDF	
Off	
On	
Content Type	Specify the content of the original document.
Text	Note: Text/Photo is the factory default setting.
Graphics	Note: Text/Thoto is the factory default setting.
Text/Photo	
Photo	
Content Source	Specify how the original document was produced.
Black/White Laser	Note: Black/White Laser is the factory default setting.
Color Laser	, , , , , , , , , , , , , , , , , , , ,
Inkjet	
Photo/Film	
Magazine	
Newspaper	
Press	
Other	
Color	Specify whether the printer captures and transmits content in color.
Off	Note: On is the factory default setting.
On	

Use	То
Resolution	Specify the resolution of the scan in dots per inch.
75 dpi	Note: 150 dpi is the factory default setting.
150 dpi	reserve and the reserve details.
200 dpi	
300 dpi	
400 dpi	
600 dpi	
Darkness	Lighten or darken the output.
1–9	Note: 5 is the factory default setting.
Orientation	Specify the orientation of the scanned image.
Portrait	Note: Portrait is the factory default setting.
Landscape	restar to trute is the factory actually setting.
Original Size	Specify the size of the original document.
Letter	Note: Letter is the U.S. factory default setting. A4 is the international factory
Legal	default setting.
Executive	deliant setting.
Folio	
Statement	
Oficio (Mexico)	
Universal	
Auto Size Sense	
Mixed Sizes	
A4	
A5	
A6	
JIS B5	
Difficult Media Letter	
Difficult Media A5	
Difficult Media Legal	
Difficult Media A4	
Custom Scan Size [x]	
Book Original	
Business Card	
3 x 5 in.	
4 x 6 in.	
Sides (Duplex)	Specify the orientation of the original document loaded in the ADF for two-sided
Off	scanning.
Long Edge	Note: Off is the factory default setting.
Short Edge	
JPEG Quality	Set the quality of a JPEG photo image in relation to file size and quality of the image.
Best for content	Note: Best for content is the factory default setting.
5–90	, ,

Use	То
Text Default 5–90	Set the quality of a text image in relation to file size and quality of the image. Note: 75 is the factory default setting.
Text/Photo Default 5-90	Set the quality of a text or photo image in relation to file size and the quality of the image.
	Note: 75 is the factory default setting.
Photo Default 5–90	Set the quality of a photo image in relation to file size and the quality of the image. Note: 50 is the factory default setting.
E-mail images sent as	
Attachment Web Link	Specify how the images are sent. Note: Attachment is the factory default setting.
Use Multi-Page TIFF On Off	Provide a choice between single-page TIFF files and multiple-page TIFF files. For a multiple-page scan-to-e-mail job, either one TIFF file is created containing all the pages, or multiple TIFF files are created with one file for each page of the job. Note: On is the factory default setting.
TIFF Compression	Specify the format used in compressing TIFF files.
LZW JPEG	Note: LZW is the factory default setting.
Transmission Log Print log Do not print log Print only for error	Enable printing of a transmission log after each e-mail job. Note: Print log is the factory default setting.
Log Paper Source	Specify the paper source for printing e-mail logs.
Tray [x] Multipurpose Feeder	Note: Tray 1 is the factory default setting.
Log Output Bin Standard Bin Bin [x]	Specify the bin for e-mail logs. Notes: Standard Bin is the factory default setting. Bin [x] appears only when at least one optional bin is installed.
E-mail Bit Depth 1 bit	Enable the Text/Photo mode to produce smaller file sizes by using 1-bit images when Color is set to Off.
8 bit	Note: 8 bit is the factory default setting.
Custom Job scanning On Off	Copy a document that contains mixed paper sizes. Notes: Off is the factory default setting. This menu item appears only when a formatted, working hard disk is installed.
Scan Preview On	Specify whether a preview appears on the display for scan jobs. Notes:
Off	 Off is the factory default setting. This menu item appears only when a formatted, working hard disk is installed.

Use	То
Allow Save as Shortcut	Save e-mail addresses as shortcuts.
On	Notes:
Off	On is the factory default setting.
	 When set to Off, the Save As Shortcut button does not appear on the e-mail Destination screen.
Background Removal	Adjust the amount of background visible on a scanned image.
-4 to 4	Note: 0 is the factory default setting.
Color Balance Cyan - Red Magenta - Green Yellow - Blue	Enable an equal balance of colors in the output.
Color Dropout Color Dropout None	Specify which color to drop and to adjust the dropout setting for each color threshold. Notes:
Red	None is the factory default setting for Color Dropout.
Green Blue Default Red Threshold 0–255 Default Green Threshold 0–255 Default Blue Threshold 0–255 Contrast	128 is the factory default setting for each color threshold. Specify the contrast of the output.
0–5 Best for content	Note: Best for content is the factory default setting.
Mirror Image	Create a mirror image of the original document.
Off On	Note: Off is the factory default setting.
Negative Image Off	Create a negative image of the original document. Note: Off is the factory default setting.
On	
Shadow Detail -4 to 4	Adjust the amount of shadow detail visible on a scanned image. Note: 0 is the factory default setting.
ADF Multi-feed Sensor	Detect when the ADF picks more than one sheet of paper at once.
On Off	Note: On is the factory default setting.
Scan edge to edge	Specify whether the original document is scanned edge-to-edge.
Off On	Note: Off is the factory default setting.

Use	То
Sharpness 1-5	Adjust the amount of sharpness on a scanned image. Note: 3 is the factory default setting.
Temperature -4 to 4	Specify warm or cool outputs. Cool values generate a bluer output than the default while warm values generate a redder output than the default.
Use cc:/bcc: Off On	Enable the use of the cc: and bcc: fields. Note: Off is the factory default setting.

FTP Settings menu

Use	То
Format	Specify the file format.
PDF (.pdf)	Note: PDF (.pdf) is the factory default setting.
TIFF (.tif)	
JPEG (.jpg)	
XPS (.xps)	
RTF (.rtf)	
TXT (.txt)	
PDF Settings	Configure the PDF settings.
PDF Version	Notes:
1.2–1.7	a 4 5 cm of the late of DDEN
A–1a	• 1.5 is the factory default setting for PDF Version.
PDF Compression	 Normal is the factory default setting for PDF Compression.
Normal	 Off is the factory default setting for Secure PDF and Searchable PDF. Secure
High	PDF requires you to enter your password twice.
Secure PDF	
Off	
On	
Searchable PDF	
Off	
On	
Content Type	Specify the content of the original document.
Text	Note: Text/Photo is the factory default setting.
Graphics	
Text/Photo	
Photo	

Use	То
Content Source	Specify how the original document was produced.
Black/White Laser	Note: Black/White Laser is the factory default setting.
Color Laser	
Inkjet	
Photo/Film	
Magazine	
Newspaper	
Press	
Other	
Color	Specify whether the printer captures and transmits content in color.
Off	Note: On is the factory default setting.
On	, c
Resolution	Specify the quality of the scan in dots per inch (dpi).
75 dpi	Note: 150 dpi is the factory default setting.
150 dpi	
200 dpi	
300 dpi	
400 dpi	
600 dpi	
Darkness	Lighten or darken the output.
1–9	Note: 5 is the factory default setting.
Orientation	Specify the orientation of the scanned image.
Portrait	Note: Portrait is the factory default setting.
Landscape	

Use	То
Original Size	Specify the size of the original document.
Letter	Note: Letter is the U.S. factory default setting. A4 is the international factory
Legal	default setting.
Executive	
Folio	
Statement	
Oficio (Mexico)	
Universal	
Auto Size Sense	
Mixed Sizes	
A4	
A5	
A6	
JIS B5	
Difficult Media Letter	
Difficult Media A5	
Difficult Media Legal	
Difficult Media A4	
Custom Scan Size [x]	
Book Original	
Business Card	
3 x 5 in.	
4 x 6 in.	
Sides (Duplex) Off	Specify the orientation of the original documents loaded in the ADF for two-sided scanning.
Long Edge	Note: Off is the factory default setting.
Short Edge	note. On is the factory actually setting.
_	Catable quality of a IDEC whate image is relation to the file size and quality of the
JPEG Quality Best for content	Set the quality of a JPEG photo image in relation to the file size and quality of the image.
5–90	
3 30	Notes:
	Best for content is the factory default setting.
	• 5 reduces the file size, but the quality of the image is lessened.
	• 90 provides the best image quality, but the file size is very large.
Text Default	Set the quality of the text in relation to the file size and quality of the image.
5–90	Note: 75 is the factory default setting.
Text/Photo Default 5–90	Set the quality of a text or photo image in relation to the file size and quality of the image.
3-30	Note: 75 is the factory default setting.
Photo Default	Set the quality of a photo image in relation to the file size and quality of the image.
5–90	Note: 50 is the factory default setting.
	Note. 30 is the factory default settling.

Use	То	
Use Multi-Page TIFF On Off	Provide a choice between single-page TIFF files and multiple-page TIFF files. For a multiple-page scan-to-FTP job, either one TIFF file is created containing all the pages, or multiple TIFF files are created with one file for each page of the job.	
	Note: On is the factory default setting.	
TIFF Compression LZW	Specify the format used in compressing TIFF files.	
JPEG	Note: LZW is the factory default setting.	
Transmission Log	Specify whether to print the transmission log.	
Print log	Note: Print log is the factory default setting.	
Do not print log Print only for error		
Log Paper Source	Specify a paper source when printing FTP logs.	
Tray [x]	Note: Tray 1 is the factory default setting.	
Multipurpose Feeder	Chasifutha hin fan FTD laga	
Log Output Bin Standard Bin	Specify the bin for FTP logs. Notes:	
Bin [x]		
	 Standard Bin is the factory default setting. Bin [x] only appears when at least one optional bin is installed. 	
FTP bit Depth		
1 bit	Enable the Text/Photo mode to produce smaller file sizes by using 1-bit images when Color is set to Off.	
8 bit	Note: 8 bit is the factory default setting.	
File Name	Enter a base file name.	
Custom Job Scanning	Copy a document that contains mixed paper sizes.	
On Off	Notes:	
OII	Off is the factory default setting.	
	 This menu item appears only when a formatted, working printer hard disk is installed. 	
Scan Preview	Specify whether a preview appears on the display for scan jobs.	
On	Notes:	
Off	Off is the factory default setting.	
	 This menu item appears only when a formatted, working printer hard disk is installed. 	
Allow Save as Shortcut	Enable shortcut creation for FTP addresses.	
On Off	Note: On is the factory default setting.	
Background Removal	Adjust the amount of background visible on a copy.	
-4 to 4	Note: 0 is the factory default setting.	

Use	То	
Color Balance Cyan - Red Magenta - Green Yellow - Blue	Enable an equal balance of colors in the scanned image.	
Color Dropout Color Dropout None Red Green Blue Default Red Threshold 0–255 Default Green Threshold 0–255 Default Blue Threshold 0–255	Specify which color to drop and to adjust the dropout setting for each color threshold. Notes: None is the factory default setting for Color Dropout. 128 is the factory default setting for each color threshold.	
Contrast 0-5 Best for content	Specify the contrast of the output. Note: Best for content is the factory default setting.	
Mirror Image Off On	Create a mirror image of the original document. Note: Off is the factory default setting.	
Negative Image Off On	Create a negative image of the original document. Note: Off is the factory default setting.	
Shadow Detail -4 to 4	Adjust the amount of shadow detail visible on a scanned image. Note: 0 is the factory default setting.	
ADF Multi-feed Sensor Off On	Detect when the ADF picks more than one sheet of paper at once. Note: On is the factory default setting.	
Scan edge to edge Off On	Specify whether the original document is scanned edge-to-edge. Note: Off is the factory default setting.	
Sharpness 1–5	Specify the amount of sharpness of the scanned image. Note: 3 is the factory default setting.	
Temperature -4 to 4	Specify warm or cool outputs. Cool values generate a bluer output than the default while warm values generate a redder output than the default. Note: 0 is the factory default setting.	

Flash Drive menu

Scan Settings

Use	То	
Format	Specify the format of the scanned file.	
PDF (.pdf)	Note: PDF (.pdf) is the factory default setting.	
TIFF (.tif)		
JPEG (.jpg)		
XPS (.xps)		
RTF (.rtf)		
TXT (.txt)		
PDF Settings	Configure the PDF settings.	
PDF Version	Notes:	
1.2-1.7		
A-1a	• 1.5 is the factory default setting for PDF Version.	
PDF Compression Normal	 Normal is the factory default setting for PDF Compression. This menu item appears only when a formatted, working hard disk is installed. 	
High	Off is the factory default setting for Secure PDF and Searchable PDF. Secure	
Secure PDF	PDF requires you to enter your password twice.	
Off		
On		
Searchable PDF		
Off		
On		
Content Type	Specify the content of the original document.	
Text	Note: Text/Photo is the factory default setting.	
Graphics		
Text/Photo		
Photo		
Content Source	Specify how the original document was produced.	
Black/White Laser	Note: Black/White Laser is the factory default setting.	
Color Laser		
Inkjet		
Photo/Film		
Magazine		
Newspaper		
Press		
Other		
Color	Specify whether the printer captures and transmits content in color.	
On	Note: On is the factory default setting.	
Off		

Use	То
Resolution	Specify the resolution of the scan in dots per inch (dpi).
75 dpi	Note: 150 is the factory default setting.
150 dpi	
200 dpi	
300 dpi	
400 dpi	
600 dpi	
Darkness	Lighten or darken the output.
1–9	Note: 5 is the factory default setting.
Orientation	Specify the orientation of the scanned image.
Portrait	Note: Portrait is the factory default setting.
Landscape	
Original Size	Specify the size of the original document.
Letter	Note: Letter is the U.S. factory default setting. A4 is the international factory
Legal	default setting.
Executive	
Folio	
Statement	
Oficio (Mexico)	
Auto Size Sense	
Mixed Sizes	
A4	
A5	
A6	
JIS B5	
Difficult Media Letter	
Difficult Media A5	
Difficult Media Legal	
Difficult Media A4	
Custom Scan Size [x]	
Book Original	
Business Card	
3 x 5 in.	
4 x 6 in.	
Sides (Duplex)	Enable two-sided printing for incoming print jobs.
Off	Notes:
Long Edge	• Off is the factory default setting
Short Edge	Off is the factory default setting.
	 Long Edge assumes binding along the long edge of the page (left edge for portrait and top edge for landscape).
	 Short Edge assumes binding along the short edge of the page (top edge for portrait and left edge for landscape).

То	
Set the quality of a JPEG photo image in relation to file size and quality.	
Note: Best for content is the factory default setting.	
Set the quality of the text in relation to file size and the quality of the image.	
Note: 75 is the factory default setting.	
Set the quality of a text or photo image in relation to file size and quality. Note: 75 is the factory default setting.	
Set the quality of a photo image in relation to file size and quality. Note: 50 is the factory default setting.	
Provide a choice between single-page TIFF files and multiple-page TIFF files. For a multiple-page scan-to-FTP job, either one TIFF file is created containing all the pages, or multiple TIFF files are created with one file for each page. Note: On is the factory default setting.	
Enable the Text/Photo mode to have smaller file sizes by using 1-bit images when Color is set to Off.	
Note: 8 bit is the factory default setting.	
Type a base file name.	
Copy a document that contains mixed paper sizes.	
Note: Off is the factory default setting.	
Specify whether a preview appears on the display for scan jobs.	
Note: Off is the factory default setting.	
Adjust the amount of background visible on a scanned image.	
Note: 0 is the factory default setting.	
Enable an equal balance of colors in the output.	
Specify which color to drop and to adjust the dropout setting for each color threshold. Notes:	
None is the factory default setting for Color Dropout.	
• 128 is the factory default setting for each color threshold.	

Use	То	
Contrast	Specify the contrast of the output.	
0–5	Note: Best for content is the factory default setting.	
Best for content		
Mirror Image	Create a mirror image of the original document.	
Off	Note: Off is the factory default setting.	
On		
Negative Image	Create a negative image of the original document.	
Off	Note: Off is the factory default setting.	
On		
Shadow Detail	Adjust the amount of shadow detail visible on a scanned image.	
-4 to 4	Note: 0 is the factory default setting.	
Scan edge to edge	Specify whether the original document is scanned edge-to-edge.	
Off	Note: Off is the factory default setting.	
On		
Sharpness	Adjust the amount of sharpness on a scanned image.	
1–5	Note: 3 is the factory default setting.	
Temperature	Specify warm or cool outputs. Cool values generate a bluer output than the default	
-4 to 4	while warm values generate a redder output than the default.	

Print Settings

Use	То	
Copies 1–999	Specify a default number of copies for each print job.	
1-999	Note: 1 is the factory default setting.	
Paper Source	Set a default paper source for all print jobs.	
Tray [x]	Note: Tray 1 is the factory default setting.	
Multipurpose Feeder		
Manual Paper		
Manual Envelope		
Collate	Stack the pages of a print job in sequence when printing multiple copies.	
(1,1,1) (2,2,2)	Note: (1,2,3) (1,2,3) is the factory default setting.	
(1,2,3) (1,2,3)		
Sides (Duplex)	Enable two-sided printing for incoming print jobs.	
1 sided	Note: 1 sided is the factory default setting.	
2 sided		
Duplex Binding	Define binding two-sided pages in relation to page orientation.	
Long Edge	Notes:	
Short Edge		
	 Long Edge sets binding along the long edge of the page (left edge for portrait and top edge for landscape). This is the factory default setting. 	
	 Short Edge sets binding along the short edge of the page (top edge for portrait and left edge for landscape). 	

Use	То	
Paper Saver Orientation Auto	Specify the orientation of a multiple-page document.	
Landscape	Notes:	
Portrait	Auto is the factory default setting.	
	 This setting affects jobs if the value of the Paper Saver setting in the same menu is not set to Off. 	
Paper Saver	Specify that multiple pages are printed on one side of a sheet.	
Off	Notes:	
2-Up	Off is the factory default setting.	
3-Up		
4-Up	The number selected is the number of pages that print per side.	
6-Up		
9-Up		
12-Up 16-Up		
Paper Saver Border	Print a border on each page image.	
None	Note: None is the factory default setting.	
Solid	Note. None is the factory default setting.	
Paper Saver Ordering	Print multiple-page images on one side of a paper.	
Horizontal	Notes:	
Reverse Horizontal	• Having what is the factory default actions	
Reverse Vertical	Horizontal is the factory default setting.	
Vertical	 Positioning depends on the number of pages and whether they are in portrait or landscape orientation. 	
Separator Sheets	Specify whether to insert blank separator sheets.	
Off	Notes:	
Between Copies Between Jobs	Off is the factory default setting.	
Between Pages	 Between Copies inserts a blank sheet between each copy of a print job if Collate is set to (1,2,3) (1,2,3). If Collate is set to (1,1,1) (2,2,2), then a blank page is inserted between each set of printed pages. 	
	Between Jobs inserts a blank sheet between print jobs.	
	 Between Pages inserts a blank sheet between each page of the print job. This setting is useful when printing transparencies or when inserting blank pages in a document. 	
Separator Sheet Source	Specify the paper source for separator sheets.	
Tray [x]	Note: Tray 1 is the factory default setting.	
Multipurpose Feeder		
Blank Pages	Specify whether to insert blank pages in a print job.	
Do Not Print	Note: Do Not Print is the factory default setting.	
Print		

OCR Settings menu

Use	То
Auto Rotate	Automatically rotate scanned documents for proper orientation.
On	Note: On is the factory default setting.
Off	
Despeckle	Remove specks from a scanned image.
Off	Note: Off is the factory default setting.
On	
Inverse Detection	Recognize and make the white text on a black background editable.
On	Note: On is the factory default setting.
Off	
Auto Contrast Enhance	Automatically adjust the contrast to improve OCR quality.
Off	Note: Off is the factory default setting.
On	
Recognized Languages	Set the language or languages that the OCR can recognize.
English	For each language, select from the following options:
French	Off
German	On
Spanish	Note: The language is enabled by default. If it is set to a value that is not in the list
Italian	of recognized languages, English is enabled by default.
Portugues	
Danish	
Dutch	
Norwegian	
Swedish	
Finnish	
Hungarian	
Polish	

Print Settings

Setup menu

Use	То
Printer Language	Set the default printer language.
PCL Emulation PS Emulation	Notes:
1 3 Emalation	PS Emulation is the factory default printer language.
	 Setting a printer language as the default does not prevent a software program from sending print jobs that use another printer language.

Use	То
Job Waiting On Off	Specify that print jobs be removed from the print queue if they require unavailable printer options or custom settings. They are stored in a separate print queue, so other jobs print normally. When the missing information or options are obtained, the stored jobs print.
	Notes:
	Off is the factory default setting.
	 This menu appears only when a printer hard disk is installed. This requirement ensures that stored jobs are not deleted if the printer loses power.
Print Area	Set the logical and physical printable area.
Normal	Notes:
Fit to Page Whole Page	 Normal is the factory default setting. When attempting to print data in the non-printable area defined by the Normal setting, the printer clips the image at the boundary.
	 Whole Page allows the image to be moved into the non-printable area defined by the Normal setting. Whole Page only affects pages printed using a PCL 5e interpreter. This has no effect on pages printed using the PCL XL or PostScript interpreter.
Download Target	Set the storage location for downloads.
RAM	Notes:
Flash Disk	 RAM is the factory default setting. Storing downloads in the RAM is temporary.
	 Storing downloads in the flash memory or in a printer hard disk places them in permanent storage. Downloads remain in the flash memory or in the printer hard disk even when the printer is turned off.
	 This menu appears only when a formatted, working flash drive or printer hard disk is installed.
Resource Save On Off	Specify how the printer handles temporary downloads, such as fonts and macros stored in the RAM, when the printer receives a job that requires more memory than is available.
	Notes:
	 Off is the factory default setting. This sets the printer to retain the downloads only until memory is needed. Downloads are deleted in order to process print jobs.
	 On retains the downloads during language changes and printer resets. If the printer runs out of memory, then Memory Full [38] appears, and downloads are not deleted.

Use	То
Print All Order Alphabetical	Specify the order in which held and confidential jobs are printed when Print All is selected.
Oldest First Newest First	Note: Alphabetical is the factory default setting. Print jobs always appear in alphabetical order on the printer control panel.

Finishing menu

Use	То
Sides (Duplex) 1 sided 2 sided	Specify whether two-sided (duplex) printing is set as the default for all print jobs. Notes: "1 sided" is the factory default setting. You can set two-sided printing from the printer software. For Windows users: Click File > Print, and then click Properties, Preferences, Options, or Setup. For Macintosh users: Choose File > Print, and then adjust the settings from the Print dialog and pop-up
Duplex Binding Long Edge Short Edge	 Define binding for duplexed pages in relation to page orientation. Notes: Long Edge is the factory default setting. This assumes binding along the long edge of the page (left edge for portrait and top edge for landscape). Short Edge assumes binding along the short edge of the page (top edge for portrait and left edge for landscape).
Copies 1–999 Blank Pages Do Not Print	Specify the default number of copies for each print job. Note: 1 is the factory default setting. Specify whether blank pages are inserted in a print job. Note: Do Not Print is the factory default setting.
Print Collate (1,1,1) (2,2,2) (1,2,3) (1,2,3)	Stack the pages of a print job in sequence when printing multiple copies. Note: "(1,2,3) (1,2,3)" is the factory default setting.

Use	То		
Separator Sheets Off Between Copies Between Jobs Between Pages	 Specify whether blank separator sheets are inserted. Notes: Off is the factory default setting. Between Copies inserts a blank sheet between each copy of a print job if Collate is set to "(1,2,3) (1,2,3)." If Collate is set to "(1,1,1) (2,2,2)," then a blank page is inserted between each set of printed pages, such as after all page 1's and after all page 2's. Between Jobs inserts a blank sheet between print jobs. Between Pages inserts a blank sheet between each page of a print job. This setting is useful when printing transparencies or when inserting blank pages in a document. 		
Separator Source Tray [x] Multipurpose Feeder	Specify the paper source for the separator sheet. Note: Tray 1 (standard tray) is the factory default setting.		
Paper Saver Off 2-Up 3-Up 4-Up 6-Up 9-Up 12-Up 16-Up	Print multiple pages on a single sheet of paper. Notes: Off is the factory default setting. When the number of pages per sheet is selected, each page is scaled so that the number of pages you want can be displayed on the sheet.		
Paper Saver Ordering Horizontal Reverse Horizontal Reverse Vertical Vertical	Specify the order in which pages are printed on a single sheet when using Paper Saver. Notes: Horizontal is the factory default setting. Positioning depends on the number of page images and whether they are in portrait or in landscape orientation.		
Paper Saver Orientation Auto Landscape Portrait	Specify the orientation in which pages are printed on a single sheet. Note: Auto is the factory default setting. The printer chooses between portrait and landscape.		
Paper Saver Border None Solid	Print a border when using Paper Saver. Note: None is the factory default setting.		

Quality menu

Use	То		
Print Resolution 300 dpi 600 dpi 1200 dpi 1200 Image Q 2400 Image Q	Specify the printed output resolution in dots per inch. Note: 600 dpi is the factory default setting.		
Pixel Boost Off Fonts Horizontally Vertically Both directions	Enable more pixels to print in clusters for clarity, in order to enhance images horizontally or vertically, or to enhance fonts. Note: Off is the factory default setting.		
Toner Darkness 1–10	Lighten or darken the printed output. Notes: 8 is the factory default setting. Selecting a smaller number can help conserve toner.		
Enhance Fine Lines On Off	Enable a print mode preferable for files such as architectural drawings, maps, electrical circuit diagrams, and flow charts. Notes: Off is the factory default setting. To set this option using the Embedded Web Server, type the network printer IP address in the Web browser address field.		
Gray Correction Auto Off	Automatically adjust the contrast enhancement applied to images. Note: Auto is the factory default setting.		
Brightness -6 to 6	Adjust the printed output either by lightening or darkening it. You can conserve toner by lightening the output. Note: 0 is the factory default setting.		
Contrast 0-5	Adjust the contrast of printed objects. Note: 0 is the factory default setting.		

Job Accounting menu

Note: This menu item appears only when a formatted, working printer hard disk is installed.

Use	То	
Job Accounting Log Off On	Determine and set if the printer creates a log of the print jobs it receives. Note: Off is the factory default setting.	
Job Accounting Utilities	Print and delete log files or export them to a flash drive.	

Use	То	
Accounting Log Frequency Daily Weekly Monthly	Determine and set how often a log file is created. Note: Monthly is the factory default setting.	
None E-mail Current Log E-mail & Delete Current Log Post Current Log Post & Delete Current Log	Determine and set how the printer responds when the frequency threshold expires. Note: None is the factory default setting.	
Log Near Full Level Off 1–99	Specify the maximum size of the log file before the printer executes the Log Action at Near Full. Note: 5 is the factory default setting.	
Log Action at Near Full None E-mail Current Log E-mail & Delete Current Log E-mail & Delete Oldest Log Post Current Log Post & Delete Current Log Post & Delete Current Log Delete Current Log Delete All Logs Delete All But Current	Determine and set how the printer responds when the hard disk is nearly full. Notes: None is the factory default setting. The value defined in Log Near Full Level determines when this action is triggered.	
Log Action at Full None E-mail & Delete Current Log E-mail & Delete Oldest Log Post & Delete Current Log Post & Delete Current Log Delete Current Log Delete Current Log Delete All Logs Delete All But Current	Determine and set how the printer responds when disk usage reaches the maximum limit (100MB). Note: None is the factory default setting.	
URL to Post Logs	Determine and set where the printer posts job accounting logs.	
E-mail Address to Send Logs	Specify the e-mail address to which the printer sends job accounting logs.	
Log File Prefix	Specify the prefix you want for the log file name. Note: The current host name defined in the TCP/IP menu is used as the default log file prefix.	

Utilities menu

Use	То		
Remove Held Jobs	Delete confidential and held jobs from the printer hard disk.		
Confidential	Notes:		
Held Not Restored All	 Selecting a setting affects only print jobs that are resident in the printer. Bookmarks, print jobs on flash drives, and other types of held jobs are not affected. 		
	 Not Restored removes all Print and Hold jobs that are not restored from the printer hard disk or memory. 		
Format Flash	Format the flash memory.		
Yes No	Warning—Potential Damage: Do not turn off the printer while the flash memory is being formatted.		
	Notes:		
	Yes deletes all data stored in flash memory.		
	No cancels the format request.		
	Flash memory refers to the memory added by installing a flash memory card in the printer.		
	The flash memory option card must not be read/write- or write-protected.		
	This menu item appears only when a non-defective flash memory card is installed.		
Delete Downloads on Disk Delete Now	Delete downloads from the printer hard disk, including all held jobs, buffered jobs, and parked jobs.		
Do Not Delete	Notes:		
	Delete Now sets the printer to delete the downloads and allows the display to return to the originating screen after the deletion.		
	 Do Not Delete sets the printer display to return to the main Utilities menu for touch-screen printer models. When selected in non-touch-screen printer models, Do Not Delete sets the printer to return to the originating screen after the deletion. 		
Activate Hex Trace	Assist in isolating the source of a print job problem.		
	Notes:		
	When activated, all data sent to the printer is printed in hexadecimal and character representation, and control codes are not executed.		
	To exit or deactivate Hex Trace, turn off or reset the printer.		
Coverage Estimator Off	Provide an estimate of the percentage coverage of toner on a page. The estimate is printed on a separate page at the end of each print job.		
On	Note: Off is the factory default setting.		

XPS menu

Use	То
Print Error Pages	Print a page containing information on errors, including XML markup errors.
Off	Note: Off is the factory default setting.
On	

PDF menu

Use	То	
Scale to Fit	Scale page content to fit the selected paper size.	
Yes	Note: No is the factory default setting.	
No		
Annotations	Print annotations in a PDF.	
Do Not Print	Note: Do Not Print is the factory default setting.	
Print		

PostScript menu

Use	То	
Print PS Error	Print a page containing the PostScript error.	
On	Note: Off is the factory default setting.	
Off		
Lock PS Startup Mode	Disable the SysStart file.	
On	Note: Off is the factory default setting.	
Off		
Font Priority	Establish the font search order.	
Resident	Notes:	
Flash/Disk	Resident is the factory default setting.	
	 This menu item is available only when a formatted flash memory option card or printer hard disk is installed and operating properly. 	
	 Make sure the flash memory option or printer hard disk is not read/write-, write-, or password-protected. 	
	 Job Buffer Size must not be set to 100%. 	

PCL Emul menu

Use	То	
Font Source Resident Disk	Specify the set of fonts used by the Font Name menu. Notes:	
Download Flash	 "Resident" is the factory default setting. Resident shows the factory default set of fonts downloaded in the RAM. 	
All	• "Flash" and "Disk" settings show all fonts resident in that option.	
	 The flash option must be properly formatted and cannot be read/write-, write-, or password-protected. 	
	"Download" shows all the fonts downloaded in the RAM.	
	"All" shows all fonts available to any option.	
Font Name	Identify a specific font and the option where it is stored.	
Courier 10	Note: Courier 10 is the factory default setting. Courier 10 shows the font name, font ID, and the storage location in the printer. The font source abbreviation is R for Resident, F for Flash, K for Disk, and D for Download.	
Symbol Set	Specify the symbol set for each font name.	
10U PC-8	Notes:	
12U PC-850	• 10U PC-8 is the US factory default setting. 12U PC-850 is the international factory default setting.	
	 A symbol set is a set of alphabetic and numeric characters, punctuation, and special symbols. Symbol sets support the different languages or specific programs such as math symbols for scientific text. Only the supported symbol sets are shown. 	
PCL Emulation Settings	Change the point size for scalable typographic fonts.	
Point Size	Notes:	
1.00–1008.00	12 is the factory default setting.	
	 Point size refers to the height of the characters in the font. One point equals approximately 0.014 inch. 	
	Point sizes can be increased or decreased in 0.25-point increments.	
PCL Emulation Settings	Specify the font pitch for scalable monospaced fonts.	
Pitch	Notes:	
0.08–100	• 10 is the factory default setting.	
	 Pitch refers to the number of fixed-space characters per inch (cpi). 	
	Pitch can be increased or decreased in 0.01-cpi increments.	
	• For nonscalable monospaced fonts, the pitch appears on the display but it	
	cannot be changed.	
PCL Emulation Settings	Specify the orientation of text and graphics on the page.	
Orientation	Notes:	
Portrait	Portrait is the factory default setting. Portrait prints text and graphics	
Landscape	parallel to the short edge of the page.	
	Landscape prints text and graphics parallel to the long edge of the page.	

Use	То	
PCL Emulation Settings Lines per Page 1–255	 Specify the number of lines that print on each page. Notes: 60 is the US factory default setting. 64 is the international default setting. The printer sets the amount of space between each line based on the Lines per Page, Paper Size, and Orientation settings. Select the Paper Size and Orientation you want before setting Lines per Page. 	
PCL Emulation Settings A4 Width 198 mm 203 mm	Set the printer to print on A4-size paper. Notes: • "198 mm" is the factory default setting. • The 203-mm setting sets the width of the page to allow printing of eighty 10-pitch characters.	
PCL Emulation Settings Auto CR after LF On Off	Specify whether the printer automatically performs a carriage return (CR) after a line feed (LF) control command. Note: Off is the factory default setting.	
PCL Emulation Settings Auto LF after CR On Off	Specify whether the printer automatically performs a line feed (LF) after a carriage return (CR) control command. Note: Off is the factory default setting.	
Tray Renumber Assign MP Feeder Off None 0–199 Assign Tray [x] Off None 0–199 Assign Manual Paper Off None 0–199 Assign Manual Env Off None 0–199	Configure the printer to work with printer software or programs that use different source assignments for trays and feeders. Notes: • "Off" is the factory default setting. • "None" ignores the Select Paper Feed command. This option appears only when it is selected by the PCL 5 interpreter. • "0–199" allows a custom setting to be assigned.	

Use	То
Tray Renumber	Display the factory default setting assigned to each tray or feeder.
View Factory Defaults	
MPF Default = 8	
T1 Default = 1	
T1 Default = 4	
T1 Default = 5	
T1 Default = 20	
T1 Default = 21	
Env Default = 6	
MPaper Default = 2	
MEnv Default = 3	
Tray Renumber	Restore all tray and feeder assignments to the factory default settings.
Restore Defaults	
Yes	
No	

HTML menu

Use		То
Font Name	Joanna MT	Set the default font for HTML documents.
Albertus MT	Letter Gothic	Note: The Times font is used in HTML documents that do not
Antique Olive	Lubalin Graph	specify a font.
Apple Chancery	Marigold	
Arial MT	MonaLisa Recut	
Avant Garde	Monaco	
Bodoni	New CenturySbk	
Bookman	New York	
Chicago	Optima	
Clarendon	Oxford	
Cooper Black	Palatino	
Copperplate	StempelGaramond	
Coronet	Taffy	
Courier	Times	
Eurostile	TimesNewRoman	
Garamond	Univers	
Geneva	Zapf Chancery	
Gill Sans	NewSansMTCS	
Goudy	NewSansMTCT	
Helvetica	New SansMTJA	
Hoefler Text	NewSansMTKO	
Intl CG Times		
Intl Courier		
Intl Univers		

Use	То	
Font Size	Set the default font size for HTML documents.	
1–255 pt	Notes:	
	12 pt is the factory default setting.	
	Font size can be increased in 1-point increments.	
Scale	Scale the default font for HTML documents.	
1–400%	Notes:	
	• 100% is the factory default setting.	
	Scaling can be increased in 1% increments.	
Orientation	Set the page orientation for HTML documents.	
Portrait	Note: Portrait is the factory default setting.	
Landscape	0.11	
Margin Size 8–255 mm	Set the page margin for HTML documents.	
6-255 IIIIII	Notes:	
	19 mm is the factory default setting.	
	Margin size can be increased in 1-mm increments.	
Backgrounds	Specify whether to print backgrounds on HTML documents.	
Do Not Print	Note: Print is the factory default setting.	
Print		

Image menu

Use	То	
Auto Fit	Select the optimal paper size, scaling, and orientation.	
On Off	Note: On is the factory default setting. It overrides scaling and orientation settings for some images.	
Invert On Off	Invert bitonal monochrome images. Notes: Off is the factory default setting. This setting does not apply to GIF or JPEG images.	
Scaling Anchor Top Left Best Fit Anchor Center Fit Height/Width Fit Width	Scale the image to fit the selected paper size. Notes: Best Fit is the factory default setting. When Auto Fit is set to On, Scaling is automatically set to Best Fit.	

Use	То
Orientation	Set the image orientation.
Portrait	Note: Portrait is the factory default setting.
Landscape	
Reverse Portrait	
Reverse Landscape	

Help menu

Menu item	Description
Print All Guides	Prints all the guides
Copy Guide	Provides information about making copies and configuring the settings
E-mail Guide	Provides information about sending e-mails and configuring the settings
Fax Guide	Provides information about sending faxes and configuring the settings
FTP Guide	Provides information about scanning documents and configuring the settings
Print Defects Guide	Provides a template for determining the cause of repeating print quality defects, and lists settings that can be used to adjust print quality
Information Guide	Provides help in locating additional information
Supplies Guide	Provides information about ordering supplies

Saving money and the environment

Lexmark is committed to environmental sustainability and is continually improving its printers to reduce their impact on the environment. We design with the environment in mind, engineer our packaging to reduce materials, and provide collection and recycling programs. For more information, see:

- The Notices chapter
- The Environmental Sustainability section of the Lexmark Web site at www.lexmark.com/environment
- The Lexmark recycling program at <u>www.lexmark.com/recycle</u>

By selecting certain printer settings or tasks, you may be able to reduce your printer's impact even further. This chapter outlines the settings and tasks that may yield a greater environmental benefit.

Saving paper and toner

Studies show that as much as 80% of the carbon footprint of a printer is related to paper usage. You can significantly reduce your carbon footprint by using recycled paper and the following printing suggestions, such as printing on both sides of the paper and printing multiple pages on one side of a single sheet of paper.

For more information on how you can quickly save paper and energy using one printer setting, see <u>"Using Eco-Mode"</u> on page 228.

Using recycled paper

As an environmentally conscious company, Lexmark supports the use of recycled office paper produced specifically for use in laser/LED printers. For more information on recycled papers that work well with your printer, see "Using recycled paper and other office papers" on page 82.

Conserving supplies

Use both sides of the paper

If your printer model supports two-sided printing, then you can control whether print appears on one or two sides of the paper.

Notes:

- Two-sided printing is the default setting in the print driver.
- For a complete list of supported products and countries, go to http://support.lexmark.com.

Place multiple pages on one sheet of paper

You can print up to 16 consecutive pages of a multiple-page document onto one side of a single sheet of paper by setting multiple page printing (N-Up) for the print job.

Check your first draft for accuracy

Before printing or making multiple copies of a document:

- Use the preview feature to see how the document looks like before you print it.
- Print one copy of the document to check its content and format for accuracy.

Avoid paper jams

Correctly set the paper type and size to avoid paper jams. For more information, see "Avoiding jams" on page 254.

Saving energy

Using Eco-Mode

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > General Settings > Eco-Mode > select a setting

Use	То	
Off	Use the factory default settings for all settings associated with Eco-Mode. Off supports the performance specifications of the printer.	
Energy	Reduce energy use, especially when the printer is idle.	
	• Printer engine motors do not start until it is ready to print. You may notice a short delay before the first page is printed.	
	The printer enters Sleep mode after one minute of inactivity.	
Energy/Paper	Energy/Paper Use all the settings associated with Energy and Paper modes.	
Plain Paper	Enable the automatic two-sided (duplex) feature.	
	Turn off print log features.	

3 Click Submit.

Reducing printer noise

Enable Quiet Mode to reduce printer noise.

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > General Settings > Quiet Mode > select a setting

Use	То	
On	Reduce printer noise.	
	Notes:	
	Print jobs are processed at a reduced speed.	
	 Printer engine motors do not start until a document is ready to print. There will be a short delay before the first page is printed. 	
Off	Use factory default settings.	
	Note: This setting supports the performance specifications of the printer.	

3 Click Submit.

Adjusting Sleep mode

- **1** From the home screen, navigate to:
 - > Settings > General Settings > Timeouts > Sleep Mode
- 2 In the Sleep Mode field, select the number of minutes the printer is idle before it enters Sleep mode.
- **3** Apply the changes.

Using Hibernate mode

Hibernate is an ultra-low-power operating mode.

Notes:

- Three days is the default amount of time before the printer enters Hibernate mode.
- Make sure to wake the printer from Hibernate mode before sending a print job. A hard reset or a long press of the Sleep button wakes the printer from Hibernate mode.
- If the printer is in Hibernate mode, then the Embedded Web Server is disabled.
- 1 From the home screen, navigate to:
 - > Settings > General Settings
- 2 From the "Press Sleep Button" or "Press and Hold Sleep Button" menu, select Hibernate, and then touch Submit.

Adjusting the brightness of the printer display

To save energy, or if you have trouble reading from the display, adjust the brightness of the display.

Using the Embedded Web Server

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- The IP address is located on the upper portion of the home screen. It appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Select Settings > General Settings.
- **3** In the Screen Brightness field, enter the brightness percentage you want for the display.
- **4** Apply the changes.

Using the control panel

1 From the home screen, navigate to:



> Settings > General Settings

- 2 In the Screen Brightness field, enter the brightness percentage you want for the display.
- **3** Apply the changes.

Recycling

Lexmark provides collection programs and environmentally progressive approaches to recycling. For more information, see:

- The Notices chapter
- The Environmental Sustainability section of the Lexmark Web site at www.lexmark.com/environment
- The Lexmark recycling program at <u>www.lexmark.com/recycle</u>

Recycling Lexmark products

To return Lexmark products for recycling:

- 1 Go to www.lexmark.com/recycle.
- 2 Find the product type you want to recycle, and then select your country or region from the list.
- **3** Follow the instructions on the computer screen.

Note: Printer supplies and hardware not listed in the Lexmark collection program may be recycled through your local recycling center. Contact your local recycling center to determine the items they accept.

Recycling Lexmark packaging

Lexmark continually strives to minimize packaging. Less packaging helps to ensure that Lexmark printers are transported in the most efficient and environmentally sensitive manner and that there is less packaging to dispose of. These efficiencies result in fewer greenhouse emissions, energy savings, and natural resource savings.

Lexmark cartons are 100% recyclable where corrugated recycling facilities exist. Facilities may not exist in your area.

The foam used in Lexmark packaging is recyclable where foam recycling facilities exist. Facilities may not exist in your area.

When you return a cartridge to Lexmark, you can reuse the box that the cartridge came in. Lexmark will recycle the box.

Returning Lexmark cartridges for reuse or recycling

Lexmark Cartridge Collection Program diverts millions of Lexmark cartridges from landfills annually by making it both easy and free for Lexmark customers to return used cartridges to Lexmark for reuse or recycling. One hundred percent of the empty cartridges returned to Lexmark are either reused or demanufactured for recycling. Boxes used to return the cartridges are also recycled.

To return Lexmark cartridges for reuse or recycling, follow the instructions that came with your printer or cartridge and use the prepaid shipping label. You can also do the following:

- 1 Go to www.lexmark.com/recycle.
- **2** From the Toner Cartridges section, select your country or region.
- **3** Follow the instructions on the computer screen.

Securing the printer

Statement of Volatility

Your printer contains various types of memory that can store device and network settings, and user data.

Type of memory	Description
Volatile memory	Your printer uses standard <i>random access memory</i> (RAM) to temporarily buffer user data during simple print jobs.
Non-volatile memory	Your printer may use two forms of non-volatile memory: EEPROM and NAND (flash memory). Both types are used to store the operating system, device settings, network information, bookmark settings, and embedded solutions.
Hard disk memory	Some printers have a hard disk drive installed. The printer hard disk is designed for device-specific functionality. This lets the device retain buffered user data from complex print jobs, as well as form data, and font data.

Erase the content of any installed printer memory in the following circumstances:

- The printer is being decommissioned.
- The printer hard disk is being replaced.
- The printer is being moved to a different department or location.
- The printer is being serviced by someone from outside your organization.
- The printer is being removed from your premises for service.
- The printer is being sold to another organization.

Disposing of a printer hard disk

Note: Some printer models may not have a printer hard disk installed.

In high-security environments, it may be necessary to take additional steps to make sure that confidential data stored in the printer hard disk cannot be accessed when the printer—or its hard disk—is removed from your premises.

- Degaussing—Flushes the hard disk with a magnetic field that erases stored data
- Crushing—Physically compresses the hard disk to break component parts and render them unreadable
- Milling—Physically shreds the hard disk into small metal bits

Note: Most data can be erased electronically, but the only way to guarantee that all data is completely erased is to physically destroy each hard disk where data is stored.

Erasing volatile memory

The volatile memory (RAM) installed in your printer requires a power source to retain information. To erase the buffered data, simply turn off the printer.

Erasing non-volatile memory

Erase individual settings, device and network settings, security settings, and embedded solutions by following these steps:

- 1 Turn off the printer.
- 2 Hold down 2 and 6 while turning the printer on. Release the buttons only when the screen with the progress bar appears.

The printer performs a power-on sequence, and then the Configuration menu appears. When the printer is fully turned on, a list of functions appears on the printer display, instead of the standard home screen icons.

3 Touch Wipe All Settings.

The printer restarts several times during this process.

Note: Wipe All Settings securely removes device settings, solutions, jobs, and passwords from the printer memory.

4 Touch Back > Exit Config Menu.

The printer will perform a power-on reset, and then return to normal operating mode.

Erasing printer hard disk memory

Notes:

- Some printer models may not have a printer hard disk installed.
- Configuring Erase Temporary Data Files in the printer menus lets you remove residual confidential material left by print jobs by securely overwriting files that have been marked for deletion.

Using the printer control panel

- **1** Turn off the printer.
- 2 Hold down 2 and 6 while turning the printer on. Release the buttons only when the screen with the progress bar appears.

The printer performs a power-on sequence, and then the Configuration menu appears. When the printer is fully turned on, the touch screen displays a list of functions.

- **3** Touch **Wipe Disk**, and then touch one of the following:
 - Wipe disk (fast)—This lets you overwrite the disk with all zeroes in a single pass.
 - Wipe disk (secure)—This lets you overwrite the disk with random bit patterns several times, followed by a verification pass. A secure overwrite is compliant with the DoD 5220.22-M standard for securely erasing data from a hard disk. Highly confidential information should be wiped using this method.
- 4 Touch Yes to proceed with disk wiping.

Notes:

- A status bar will indicate the progress of the disk wiping task.
- Disk wiping can take from several minutes to more than an hour, during which the printer will be unavailable
 for other user tasks.
- 5 Touch Back > Exit Config Menu.

The printer will perform a power-on reset, and then return to normal operating mode.

Configuring printer hard disk encryption

Enable hard disk encryption to prevent loss of sensitive data in the event the printer or its hard disk is stolen.

Note: Some printer models may not have a printer hard disk installed.

Using the Embedded Web Server

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > Security > Disk Encryption.

Note: Disk Encryption appears in the Security Menu only when a formatted, non-defective printer hard disk is installed.

3 From the Disk encryption menu, select **Enable**.

Notes:

- Enabling disk encryption will erase the contents of the printer hard disk.
- Disk encryption can take from several minutes to more than an hour, during which the printer will be unavailable for other user tasks.
- 4 Click Submit.

Using the printer control panel

- **1** Turn off the printer.
- 2 Hold down 2 and 6 while turning the printer on. Release the buttons only when the screen with the progress bar appears.

The printer performs a power-on sequence, and then the Configuration menu appears. When the printer is fully turned on, a list of functions appears on the printer display.

3 Touch Disk Encryption > Enable.

Note: Enabling disk encryption will erase the contents of the printer hard disk.

4 Touch Yes to proceed with disk wiping.

Notes:

- Do not turn off the printer during the encryption process. Doing so may result in loss of data.
- Disk encryption can take from several minutes to more than an hour, during which the printer will be unavailable for other user tasks.
- A status bar will indicate the progress of the disk wiping task. After the disk has been encrypted, the printer will return to the Enable/Disable screen.
- 5 Touch Back > Exit Config Menu.

The printer will perform a power-on reset, and then return to normal operating mode.

Finding printer security information

In high-security environments, it may be necessary to take additional steps to make sure that confidential data stored in the printer cannot be accessed by unauthorized persons. For more information, visit the Lexmark security Web page.

You can also see the Embedded Web Server — Security: Administrator's Guide for additional information:

- 1 Go to <u>www.lexmark.com</u>, and then navigate to **Support & Downloads** > select your printer.
- **2** Click the **Manuals** tab, and then select *Embedded Web Server Security: Administrator's Guide*.

Maintaining the printer

Warning—Potential Damage: Failure to maintain optimum printer performance, or to replace parts and supplies, may cause damage to your printer.

Cleaning printer parts

Cleaning the printer

Note: You may need to perform this task after every few months.

Warning—Potential Damage: Damage to the printer caused by improper handling is not covered by the printer warranty.

1 Make sure that the printer is turned off and unplugged from the electrical outlet.



CAUTION—SHOCK HAZARD: To avoid the risk of electrical shock when cleaning the exterior of the printer, unplug the power cord from the electrical outlet and disconnect all cables from the printer before proceeding.

- 2 Remove paper from the standard bin and multipurpose feeder.
- **3** Remove any dust, lint, and pieces of paper around the printer using a soft brush or vacuum.
- **4** Dampen a clean, lint-free cloth with water, and use it to wipe the outside of the printer.
 - **Warning—Potential Damage:** Do not use household cleaners or detergents to prevent damage to the exterior of the printer.
- **5** Make sure all areas of the printer are dry before sending a new print job.

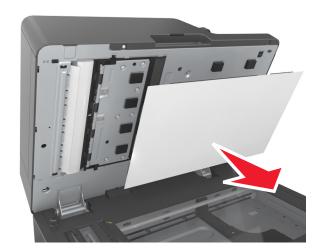
Cleaning the scanner glass

Clean the scanner glass if you encounter print quality problems, such as streaks on copied or scanned images.

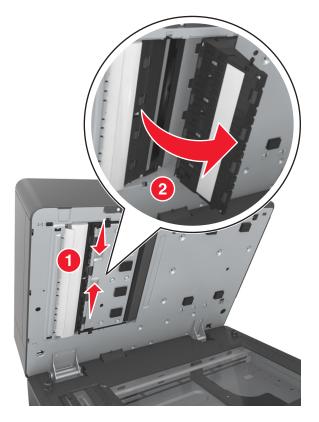
- 1 Slightly dampen a soft, lint-free cloth or paper towel with water.
- **2** Open the scanner cover.



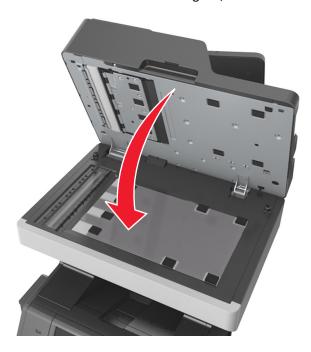
3 Remove the white underside of the scanner cover.



4 Open the bottom ADF door.



- **5** Wipe the ADF scanner glass under the ADF door.
- **6** Close the bottom ADF door.
- 7 Place the white underside of the scanner cover on the scanner glass, and then close the scanner cover.



8 Wipe the areas shown, and then let them dry.



1	White underside of the scanner cover	
2	Scanner glass	
3	ADF glass	
4	White underside of the ADF cover	

9 Close the scanner cover.

Checking the status of parts and supplies

A message appears on the display when a replacement supply item is needed or when maintenance is required.

Checking the status of parts and supplies on the printer control panel

From the home screen, touch **Status/Supplies** > **View Supplies**.

Checking the status of parts and supplies from the Embedded Web Server

Note: Make sure the computer and the printer are connected to the same network.

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- View the printer IP address on the home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Device Status > More Details.

Ordering parts and supplies

To order parts and supplies in the U.S., contact Lexmark at 1-800-539-6275 for information about Lexmark authorized supplies dealers in your area. In other countries or regions, go to the Lexmark Web site at www.lexmark.com or contact the place where you purchased the printer.

Note: All life estimates for printer supplies assume printing on letter- or A4-size plain paper.

Using genuine Lexmark parts and supplies

Your Lexmark printer is designed to function best with genuine Lexmark supplies and parts. Use of third-party supplies or parts may affect the performance, reliability, or life of the printer and its imaging components. Use of third-party supplies or parts can affect warranty coverage. Damage caused by the use of third-party supplies or parts is not covered by the warranty. All life indicators are designed to function with Lexmark supplies and parts, and may deliver unpredictable results if third-party supplies or parts are used. Imaging component usage beyond the intended life may damage your Lexmark printer or its associated components.

Estimated number of remaining pages

The estimated number of remaining pages is based on the recent printing history of the printer. Its accuracy may vary significantly and is dependent on many factors, such as actual document content, print quality settings, and other printer settings.

The accuracy of the estimated number of remaining pages may decrease when the actual printing consumption is different from the historical printing consumption. Consider the variable level of accuracy before purchasing or replacing supplies based on the estimate. Until an adequate print history is obtained on the printer, the estimated cartridge yield is based on approximately 5% coverage per page.

Ordering toner cartridges

Notes:

- The estimated cartridge yield is based on the ISO/IEC 19752 standard.
- Extremely low print coverage for extended periods of time may negatively affect actual yield.

For more information on countries located in each region, visit www.lexmark.com/regions.

Item	Return Program cartridge	
United States and Canada		
Toner Cartridge	621	
High Yield Toner Cartridge	621H	
Extra High Yield Toner Cartridge	621X*	
European Union (EU), European Economic Area (EEA), and Switzerland		
Toner Cartridge 622		
High Yield Toner Cartridge	622Н	
Extra High Yield Toner Cartridge	622X*	
* This toner cartridge is supported only in the MX711 printer model.		

Item	Return Program cartridge	
Asia Pacific region (includes Australia and New Zealand)		
Toner Cartridge	623	
High Yield Toner Cartridge	623H	
Extra High Yield Toner Cartridge	623X*	
Latin America (includes Puerto Rico and Mexico)		
Toner Cartridge	624	
High Yield Toner Cartridge	624H	
Extra High Yield Toner Cartridge	624X*	
Africa, Middle East, Central Eastern Europe (non-EU), and Commonwealth of Independent States (CIS)		
Toner Cartridge	625	
High Yield Toner Cartridge	625H	
Extra High Yield Toner Cartridge	625X*	
* This toner cartridge is supported only in the MX711 printer model. For more information on countries located in each region, visit www.lexmark.com/regions .		

Item	Regular cartridge
Worldwide	
High Yield Toner Cartridge	620HA ¹
Extra High Yield Toner Cartridge	620XA ²
¹ This toner cartridge is supported only in the MX710 printer model.	
² This toner cartridge is supported only in the MX711 printer model.	

Ordering an imaging unit

Extremely low print coverage for extended periods of time may cause imaging unit parts to fail prior to exhaustion of toner.

For more information on replacing the imaging unit, see the instruction sheet that came with the supply.

Part name	Lexmark Return Program	Regular
Imaging unit	520Z	520ZA

Ordering a maintenance kit

To identify the supported fuser type, view the label on the fuser. Do either of the following:

• Remove the toner cartridge and the imaging unit. The two-digit fuser type code (such as 00 or 01) can be seen on the front of the fuser.

Warning—Potential Damage: Do not expose the imaging unit to direct light for more than 10 minutes. Extended exposure to light may cause print quality problems.

• Pull down the printer rear door. The two-digit fuser type code (such as 00 or 01) can be seen on the rear of the fuser.

Notes:

- Using certain types of paper may require more frequent replacement of the maintenance kit.
- The separator roller, fuser, pick roller assembly, and transfer roller are all included in the maintenance kit and can be individually ordered and replaced if necessary.
- For more information on replacing the parts included in the maintenance kit, see the instruction sheet that came with each part.

Lexmark Return Program fuser maintenance kit type

Туре	Part number
MX710 Series Return Program fuser maintenance kit Type 00	40X8420
MX710 Series Return Program fuser maintenance kit Type 01	40X8421
MX710 Series Return Program fuser maintenance kit Type 02	40X8422
MX710 Series Return Program fuser maintenance kit Type 03	40X8423
MX710 Series Return Program fuser maintenance kit Type 04	40X8424

Lexmark regular fuser maintenance kit type

Туре	Part number
MX710 Series regular fuser maintenance kit Type 05	40X8425
MX710 Series regular fuser maintenance kit Type 06	40X8426
MX710 Series regular fuser maintenance kit Type 07	40X8427
MX710 Series regular fuser maintenance kit Type 08	40X8428
MX710 Series regular fuser maintenance kit Type 09	40X8429

Lexmark roller kit

	Part number
MX710 Series roller kit	40X7706

Lexmark ADF maintenance kit

	Part number
MX710 Series ADF maintenance kit	40X8431

Storing supplies

Choose a cool, clean storage area for the printer supplies. Store supplies right side up in their original packing until you are ready to use them.

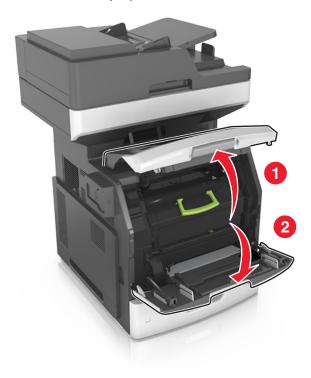
Do not expose supplies to:

- Direct sunlight
- Temperatures above 35°C (95°F)
- High humidity above 80%
- Salty air
- Corrosive gases
- Heavy dust

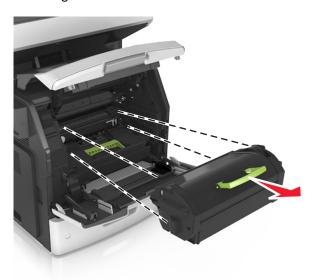
Replacing supplies

Replacing the toner cartridge

1 Lift the front cover, and then pull down the multipurpose feeder door.



2 Pull the cartridge out of the printer using the handle.

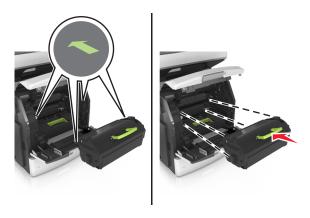


3 Unpack the new toner cartridge, then remove the packing material, and then shake the cartridge to redistribute the toner.



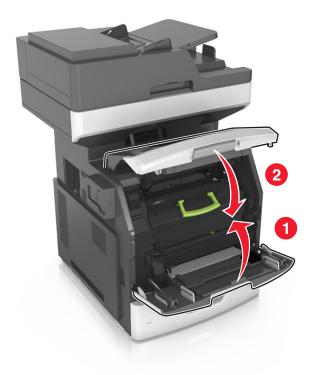
4 Insert the toner cartridge into the printer by aligning the side rails of the cartridge with the arrows on the side rails inside the printer.

Note: Make sure the cartridge is fully pushed in.



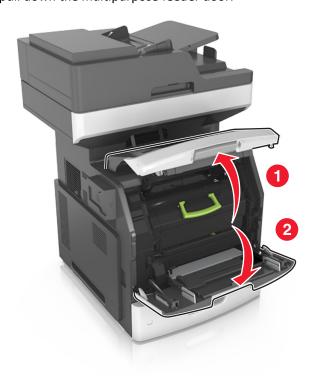
Warning—Potential Damage: When replacing a toner cartridge, do not leave the imaging unit exposed to direct light for an extended period of time. Extended exposure to light may cause print quality problems.

5 Close the multipurpose feeder door and the front cover.



Replacing the imaging unit

1 Lift the front cover, and then pull down the multipurpose feeder door.



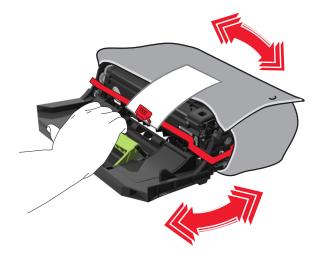
Pull out the toner cartridge from the printer using the handle.



Lift the green handle, and then pull out the imaging unit from the printer.



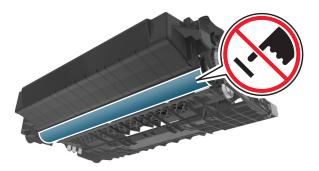
4 Unpack the new imaging unit, and then shake it.



5 Remove all packing material from the imaging unit.

Warning—Potential Damage: Do not expose the imaging unit to direct light for more than 10 minutes. Extended exposure to light may cause print quality problems.

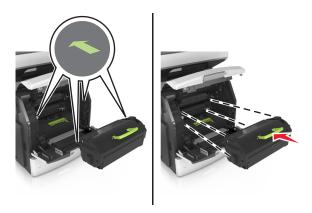
Warning—Potential Damage: Do not touch the photoconductor drum. Doing so may affect the print quality of future print jobs.



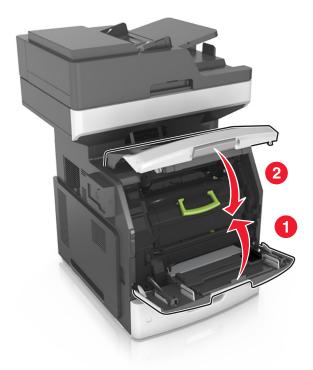
6 Insert the imaging unit into the printer by aligning the arrows on the side rails of the imaging unit with the arrows on the side rails inside the printer.



7 Insert the toner cartridge into the printer by aligning the side rails of the cartridge with the arrows on the side rails inside the printer.



8 Close the multipurpose feeder door and the front cover.



Moving the printer



CAUTION—POTENTIAL INJURY: The printer weight is greater than 18 kg (40 lb) and requires two or more trained personnel to lift it safely.

Before moving the printer

CAUTION—POTENTIAL INJURY: Before moving the printer, follow these guidelines to avoid personal injury or printer damage:

- Turn the printer off using the power switch, and then unplug the power cord from the electrical outlet.
- Disconnect all cords and cables from the printer before moving it.
- If an optional tray is installed, then remove it from the printer. To remove the optional tray, slide the latch on the right side of the tray toward the front of the tray until it *clicks* into place.



- Use the handholds located on both sides of the printer to lift it.
- Make sure your fingers are not under the printer when you set it down.
- Before setting up the printer, make sure there is adequate clearance around it.

Use only the power cord provided with this product or the manufacturer's authorized replacement.

Warning—Potential Damage: Damage to the printer caused by improper moving is not covered by the printer warranty.

Moving the printer to another location

The printer and its hardware options can be safely moved to another location by following these precautions:

- Any cart used to move the printer must have a surface able to support the full footprint of the printer.
- Any cart used to move the hardware options must have a surface able to support the dimensions of the hardware options.
- Keep the printer in an upright position.
- Avoid severe jarring movements.

Shipping the printer

When shipping the printer, use the original packaging or call the place of purchase for a relocation kit.

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Managing the printer

Finding advanced networking and administrator information

This chapter covers basic administrative support tasks using the Embedded Web Server. For more advanced system support tasks, see the *Networking Guide* on the *Software and Documentation* CD or the *Embedded Web Server* — *Security: Administrator's Guide* on the Lexmark support Web site at http://support.lexmark.com.

Checking the virtual display

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Check the virtual display that appears in the top left corner of the screen.

The virtual display works as an actual display would work on a printer control panel.

Setting up e-mail alerts

Configure the printer to send you e-mail alerts when the supplies are getting low or when the paper needs to be changed or added, or when there is a paper jam.

1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings.
- **3** From the Other Settings menu, click **E-mail Alert Setup**.
- **4** Select the items you want to be notified on, and then type the e-mail addresses.
- 5 Click Submit.

Note: For information on setting up the e-mail server, contact your system support person.

Viewing reports

You can view some reports from the Embedded Web Server. These reports are useful for assessing the status of the printer, network, and supplies.

1 Open a Web browser, and then type the printer IP address in the address field.

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Notes:

• View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.

- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- **2** Click **Reports**, and then click the type of report you want to view.

Configuring supply notifications from the Embedded Web Server

You can determine how you would like to be notified when supplies run nearly low, low, very low, or reach their end-of-life by setting the selectable alerts.

Notes:

- Selectable alerts can be set on the toner cartridge, imaging unit, and maintenance kit.
- All selectable alerts can be set for nearly low, low, and very low supply conditions. Not all selectable alerts can be set for the end-of-life supply condition. E-mail selectable alert is available for all supply conditions.
- The percentage of estimated remaining supply that prompts the alert can be set on some supplies for some supply conditions.
- 1 Open a Web browser, and then type the printer IP address in the address field.

Notes:

- View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.
- 2 Click Settings > Print Settings > Supply Notifications.
- **3** From the drop-down menu for each supply, select one of the following notification options:

Notification	Description
Off	The normal printer behavior for all supplies occurs.
E-mail Only	The printer generates an e-mail when the supply condition is reached. The status of the supply appears on the menus page and status page.
Warning	The printer displays the warning message and generates an e-mail about the status of the supply. The printer does not stop when the supply condition is reached.
Continuable Stop ¹	The printer stops processing jobs when the supply condition is reached, and the user needs to press a button to continue printing.
Non Continuable Stop ^{1,2}	The printer stops processing jobs when the supply condition is reached. The supply must be replaced to continue printing.
¹ The printer generates an e-mail about the status of the supply when supply notification is enabled	

 $^{^{}m 1}$ The printer generates an e-mail about the status of the supply when supply notification is enabled.

4 Click Submit.

² The printer stops when some supplies become empty to prevent damage.

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Restoring factory default settings

If you want to keep a list of the current menu settings for reference, then print a menu settings page before restoring the factory default settings. For more information, see <u>"Printing a menu settings page" on page 57</u>.

If you want a more comprehensive method of restoring the printer factory default settings, then perform the Wipe All Settings option. For more information, see <u>"Erasing non-volatile memory" on page 233</u>.

Warning—Potential Damage: Restoring factory defaults returns most printer settings to the original factory default settings. Exceptions include the display language, custom sizes and messages, and network/port menu settings. All downloads stored in the RAM are deleted. Downloads stored in the flash memory or in a printer hard disk are not affected.

From the home screen, navigate to:



> Settings > General Settings > Factory Defaults > Restore Now > Submit

Clearing jams

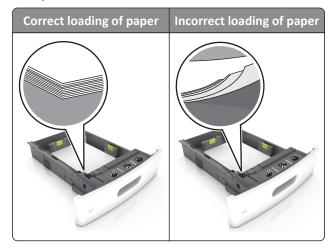
By carefully selecting paper and specialty media and loading it properly, you should be able to avoid most jams. If jams occur, then follow the steps outlined in this chapter.

Warning—Potential Damage: Never use any tool to remove a jam. Doing so could permanently damage the fuser.

Avoiding jams

Load paper properly

• Make sure paper lies flat in the tray.



- Do not remove a tray while the printer is printing.
- Do not load a tray while the printer is printing. Load it before printing, or wait for a prompt to load it.
- Do not load too much paper. Make sure the stack height is below the maximum paper fill indicator.

• Do not slide the paper into the tray. Load paper as shown in the illustration.



- Make sure the guides in the tray or the multipurpose feeder are properly positioned and are not pressing tightly against the paper or envelopes.
- Push the tray firmly into the printer after loading paper.

Use recommended paper

- Use only recommended paper or specialty media.
- Do not load wrinkled, creased, damp, bent, or curled paper.
- Flex, fan, and straighten paper before loading it.



- Do not use paper that has been cut or trimmed by hand.
- Do not mix paper sizes, weights, or types in the same tray.
- Make sure the paper size and type are set correctly on the computer or printer control panel.
- Store paper according to manufacturer recommendations.

Understanding jam messages and locations

When a jam occurs, a message indicating the jam location and information to clear the jam appears on the printer display. Open the doors, covers, and trays indicated on the display to remove the jam.

Notes:

• When Jam Assist is set to On, the printer flushes blank pages or pages with partial prints to the standard bin after a jammed page has been cleared. Check your printed output for blank pages.

• When Jam Recovery is set to On or Auto, the printer reprints jammed pages. However, the Auto setting reprints jammed pages if adequate printer memory is available.

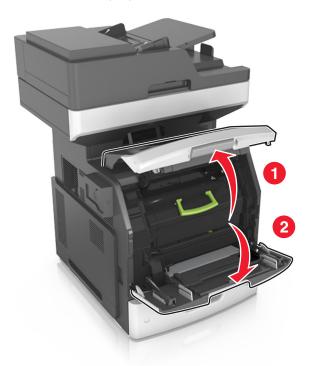


Area	Area name	Printer control panel message	What to do
1	Upper rear door	[x]-page jam, open upper rear door. [202]	Open the rear door of the printer, and then remove the jammed paper.
2	Upper door and rear duplex area	[x]-page jam, open upper and lower rear door. [231-234]	Open the rear door of the printer and the rear duplex area, and then remove the jammed paper.
3	Trays	[x]-page jam, open tray [x]. [24x]	Pull out the indicated tray, and then remove the jammed paper.
4	Duplex area	[x]-page jam, remove tray 1 to clear duplex. [235–239]	Pull out tray 1 completely, then push the front duplex flap down, and then remove the jammed paper.
5	Multipurpose feeder	[x]-page jam, clear manual feeder. [250]	Remove all paper from the multipurpose feeder, and then remove the jammed paper.
6	Inside the printer	[x]-page jam, lift front cover to remove cartridge. [200–201]	Open the front cover and the multipurpose feeder, then remove the toner cartridge and the imaging unit, and then remove the jammed paper.
7	Standard bin	[x]-page jam, remove standard bin jam. [203]	Remove all paper from the standard bin, and then remove the jammed paper.
8	Automatic document feeder (ADF)	[x]page jam, open automatic feeder top cover. [28y.xx]	Remove all paper from the ADF tray, and then remove the jammed paper.

[x]-page jam, lift front cover to remove cartridge. [200-201]

CAUTION—HOT SURFACE: The inside of the printer might be hot. To reduce the risk of injury from a hot component, allow the surface to cool before touching.

1 Lift the front cover, and then pull down the multipurpose feeder door.



2 Lift the green handle, and then pull out the toner cartridge from the printer.



3 Place the toner cartridge aside.

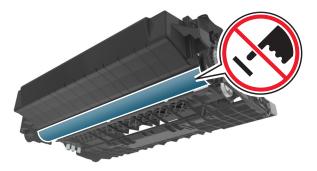
4 Lift the green handle, and then pull out the imaging unit from the printer.



5 Place the imaging unit aside on a flat, smooth surface.

Warning—Potential Damage: Do not expose the imaging unit to direct light for more than 10 minutes. Extended exposure to light may cause print quality problems.

Warning—Potential Damage: Do not touch the photoconductor drum. Doing so may affect the print quality of future print jobs.



6 Pull the jammed paper gently to the right, and then remove it from the printer.

Note: Make sure all paper fragments are removed.



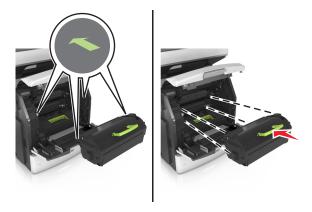
Warning—Potential Damage: The jammed paper may be covered with toner, which can stain garments and skin.

7 Install the imaging unit.



Note: Use the arrows on the side of the printer as a guide.

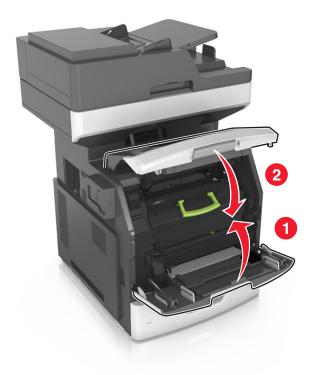
8 Insert the toner cartridge into the printer, and then push the green handle back into place.



Notes:

- Align the arrows on the guides of the toner cartridge with the arrows in the printer.
- Make sure the cartridge is fully pushed in.

9 Close the multipurpose feeder door and the front cover.



10 From the printer control panel, touch **Done** to clear the message and continue printing.

[x]-page jam, open upper rear door. [202]

CAUTION—HOT SURFACE: The inside of the printer might be hot. To reduce the risk of injury from a hot component, allow the surface to cool before touching.

1 Pull down the rear door.



2 Firmly grasp the jammed paper on each side, and then gently pull it out.



- **3** Close the rear door.
- 4 From the printer control panel, touch **Done** to clear the message and continue printing.

[x]-page jam, open upper and lower rear door. [231–234]

CAUTION—HOT SURFACE: The inside of the printer might be hot. To reduce the risk of injury from a hot component, allow the surface to cool before touching.

1 Pull down the rear door.



2 Firmly grasp the jammed paper on each side, and then gently pull it out.



- **3** Close the rear door.
- **4** Push the back of the standard tray.



5 Press down the rear duplex flap, then firmly grasp the jammed paper, and then gently pull the paper out.



- **6** Insert the standard tray.
- **7** From the printer control panel, touch **Done** to clear the message and continue printing.

[x]-page jam, remove standard bin jam. [203]

1 Firmly grasp the jammed paper on each side, and then gently pull it out.



2 From the printer control panel, touch **Done** to clear the message and continue printing.

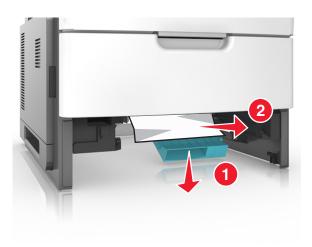
[x]-page jam, remove tray 1 to clear duplex. [235–239]

1 Pull out the tray completely.

Note: Lift the tray slightly, and then pull it out.



2 Push down the front duplex flap, then firmly grasp the jammed paper, and then gently pull the paper to the right and out of the printer.



- **3** Insert the tray.
- 4 From the printer control panel, touch **Done** to clear the message and continue printing.

[x]-page jam, open tray [x]. [24x]

1 Check which tray is indicated on the printer display, and then pull the tray.



2 Firmly grasp the jammed paper on each side, and then gently pull it out.



- **3** Insert the tray.
- 4 From the printer control panel, touch **Done** to clear the message and continue printing.

[x]-page jam, clear manual feeder. [250]

1 From the multipurpose feeder, firmly grasp the jammed paper on each side, and then gently pull it out.

Note: Make sure all paper fragments are removed.



Flex the sheets back and forth to loosen them, and then fan them. Do not fold or crease the paper. Straighten the edges on a level surface.



- Reload paper into the multipurpose feeder.
- Slide the paper guide until it rests lightly against the edge of the paper.



From the printer control panel, touch **Done** to clear the message and continue printing.

[x]-page jam, open automatic feeder top cover. [28y.xx]

1 Remove all original documents from the ADF tray.

Note: The message is cleared when the pages are removed from the ADF tray.

2 Open the ADF cover.



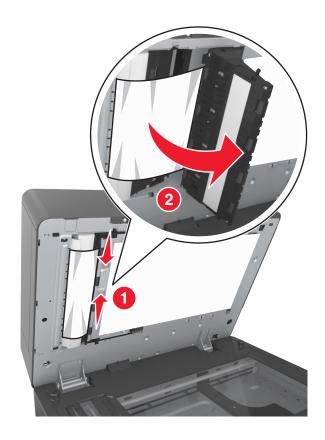
3 Firmly grasp the jammed paper on each side, and then gently pull it out.

Note: Make sure all paper fragments are removed.

- 4 Close the ADF cover.
- **5** Open the scanner cover.



6 If the jam is in the bottom ADF door or ADF exit bin, then open the bottom ADF door, and then firmly grasp the jammed paper on each side.



- **7** Close the bottom ADF door.
- **8** Straighten the edges of the original documents, then load the documents into the ADF, and then adjust the paper guide.
- **9** From the printer control panel, touch **Done** to clear the message and continue printing.

Troubleshooting

Understanding the printer messages

Cartridge low [88.xy]

You may need to order a replacement toner cartridge. If necessary, touch **Continue** on the printer control panel to clear the message and continue printing.

Cartridge nearly low [88.xy]

If necessary, touch Continue on the printer control panel to clear the message and continue printing.

Cartridge very low, [x] estimated pages remain [88.xy]

You may need to replace the toner cartridge very soon. For more information, see the "Replacing supplies" section of the *User's Guide*.

If necessary, touch Continue on the printer control panel to clear the message and continue printing.

Change [paper source] to [custom string] load [orientation]

Try one or more of the following:

- Load the correct size and type of paper in the tray, specify the paper size and type in the Paper menu on the control panel, and then touch **Finished changing paper**.
- Touch Use current [paper source] to use the available paper size and type in the tray.
- Touch **Reset active bin** to reset the active bin for a linked set of bins.
- Cancel the print job.

Change [paper source] to [custom type name] load [orientation]

- Load the correct size and type of paper in the tray or feeder, specify the size and type of paper in the Paper menu on the control panel, and then touch **Finished changing paper**.
- Touch Use current [paper source] to use the available size and type of paper in the current tray or feeder.
- Touch Reset active bin to reset the active bin for a linked set of bins.
- Cancel the print job.

Change [paper source] to [paper size] load [orientation]

Try one or more of the following:

• Load the correct size and type of paper in the tray or feeder, specify the size and type of paper in the Paper menu on the control panel, and then touch **Finished changing paper**.

- Touch Use current [paper source] to use the available size and type of paper in the current tray or feeder.
- Touch **Reset active bin** to reset the active bin for a linked set of bins.
- Cancel the print job.

Change [paper source] to [paper type] [paper size] load [orientation]

Try one or more of the following:

- Load the correct size and type of paper in the tray or feeder, specify the paper size and type in the Paper menu on the control panel, and then touch **Finished changing paper**.
- Touch Use current [paper source] to use the available paper size and type in the tray.
- Touch **Reset active bin** to reset the active bin for a linked set of bins.
- Cancel the print job.

Check tray [x] connection

Try one or more of the following:

• Turn off the printer, and then turn it back on.

If the error occurs a second time, then:

- **1** Turn off the printer.
- **2** Unplug the power cord from the electrical outlet.
- **3** Remove the indicated tray.
- 4 Reattach the tray.
- **5** Connect the power cord to a properly grounded electrical outlet.
- **6** Turn the printer back on.

If the error occurs again, then:

- **1** Turn off the printer.
- **2** Unplug the power cord from the electrical outlet.
- **3** Remove the tray.
- **4** Contact customer support.
- From the printer control panel, touch **Continue** to clear the message and resume the job.

Close door or insert cartridge

The toner cartridge is missing or not installed properly. Insert the cartridge, and then close all doors and covers.

Close flatbed cover and load originals if restarting job [2yy.xx]

Try one or more of the following:

Touch Scan from automatic feeder to continue scanning from the ADF immediately after the last successful scan
job.

- Touch **Scan from flatbed** to continue scanning from the scanner glass immediately after the last successful scan job.
- Touch Finish job without further scanning to end the last successful scan job.

Note: This does not cancel the scan job. All successfully scanned pages will be processed further for copying, faxing, or e-mailing.

Touch Cancel job to clear the message and cancel the scan job.

Close front door

Close the front door of the printer.

Close top access cover

Close the printer top access cover to clear the message.

Complex page, some data may not have printed [39]

Try one or more of the following:

- From the printer control panel, touch **Continue** to ignore the message and continue printing.
- Cancel current print job.
- Install additional printer memory.

Configuration change, some held jobs were not restored [57]

Held jobs are invalidated because of the following possible changes in the printer:

- The printer firmware has been updated.
- The tray for the print job has been removed.
- The print job is sent from a flash drive that is no longer attached to the USB port.
- The printer hard disk contains print jobs that were stored when the hard disk was installed in a different printer model.

From the printer control panel, touch **Continue** to clear the message.

Defective flash detected [51]

- Replace the defective flash memory card.
- From the printer control panel, touch Continue to ignore the message and continue printing.
- Cancel the current print job.

Disk full [62]

Try one or more of the following:

• From the printer control panel, touch **Continue** to clear the message and continue processing.

- Delete fonts, macros, and other data stored in the printer hard disk.
- Install a printer hard disk with larger capacity.

Disk full, scan job canceled

Try one or more of the following:

- Touch **Continue** to clear the message and continue scanning.
- Delete fonts, macros, and other data stored in the printer hard disk.
- Install a hard disk with higher capacity.

Disk must be formatted for use in this device

From the printer control panel, touch Format disk to format the printer hard disk and clear the message.

Note: Formatting deletes all the files stored in the printer hard disk.

Disk near full. Securely clearing disk space.

Try one or more of the following:

- Touch Continue to clear the message and continue printing.
- Delete fonts, macros, and other data stored on the printer hard disk.
- Install a hard disk with higher capacity.

Error reading USB drive. Remove USB.

An unsupported USB device is inserted. Remove the USB device, and then insert a supported one.

Error reading USB hub. Remove hub.

An unsupported USB hub has been inserted. Remove the USB hub, and then install a supported one.

Fax memory full

From the printer control panel, touch **Continue** to clear the message.

Fax partition inoperative. Contact system administrator.

- From the printer control panel, touch **Continue** to clear the message.
- Turn off the printer, and then turn it back on. If the message appears again, then contact your system support
 person.

Fax server 'To Format' not set up. Contact system administrator.

Try one or more of the following:

- From the printer control panel, touch **Continue** to clear the message.
- Complete the Fax Server setup. If the message appears again, then contact your system support person.

Fax Station Name not set up. Contact system administrator.

Try either of the following:

- From the printer control panel, touch **Continue** to clear the message.
- Complete the Analog Fax setup. If the message appears again after completing the setup, then contact your system support person.

Fax Station Number not set up. Contact system administrator.

Try one or more of the following:

- From the printer control panel, touch **Continue** to clear the message.
- Complete the Analog Fax setup. If the message appears again after completing the setup, then contact your system support person.

Imaging unit low [84.xy]

You may need to order a replacement imaging unit. If necessary, select **Continue** on the printer control panel to clear the message and continue printing.

Imaging unit nearly low [84.xy]

If necessary, touch Continue on the printer control panel to clear the message and continue printing.

Imaging unit very low, [x] estimated pages remain [84.xy]

You may need to replace the imaging unit very soon. For more information, see the "Replacing supplies" section of the *User's Guide*.

If necessary, touch **Continue** on the printer control panel to clear the message and continue printing.

Incompatible tray [x] [59]

- Remove the indicated tray.
- From the printer control panel, touch **Continue** to clear the message and continue printing without using the indicated tray.

Incorrect paper size, open [paper source] [34]

Try one or more of the following:

• Load the correct size and type of paper in the tray, and then specify the paper size and type in the Paper menu on the printer control panel.

- Make sure the correct paper size and type are specified in Print Properties or the Print dialog settings.
- Check if the paper size is correctly set. For example, if MP Feeder Size is set to Universal, then make sure the paper is large enough for the data being printed.
- Check the length and width guides and make sure the paper is loaded properly in the tray.
- From the printer control panel, touch Continue to clear the message and print using a different tray.
- Cancel the print job.

Insert Tray [x]

Try one or more of the following:

- Insert the specified tray into the printer.
- Cancel the print job.
- Reset the active bin for a linked set of bins by selecting Reset active bin on the printer control panel.

Install duplex

Try one or more of the following:

- Install the duplex unit:
 - 1 Turn off the printer.
 - **2** Unplug the power cord from the electrical outlet.
 - **3** Install the duplex unit.
 - **4** Connect the power cord to a properly grounded electrical outlet.
 - **5** Restart the printer.
- Cancel the current job.
- Reset the active bin.

Install Tray [x]

- Install the specified tray:
 - **1** Turn off the printer.
 - 2 Unplug the power cord from the electrical outlet.
 - **3** Install the specified tray.
 - **4** Connect the power cord to a properly grounded electrical outlet.
 - **5** Turn the printer back on.
- Cancel the print job.
- Reset the active bin.

Insufficient memory for Flash Memory Defragment operation [37]

Try one or more of the following:

- From the printer control panel, touch **Continue** to stop the defragmentation and continue printing.
- Delete fonts, macros, and other data in the printer memory.
- Install additional printer memory.

Insufficient memory to collate job [37]

Try one or more of the following:

- From the printer control panel, touch **Continue** to print the part of the job already stored and begin collating the rest of the print job.
- Cancel the current print job.

Insufficient memory to support Resource Save feature [35]

Install additional printer memory or touch Continue to disable Resource Save, clear the message, and continue printing.

Insufficient memory, some Held Jobs were deleted [37]

From the printer control panel, touch Continue to clear the message.

Insufficient memory, some held jobs will not be restored [37]

Try one or more of the following:

- From the printer control panel, touch **Continue** to clear the message.
- Delete other held jobs to free up additional printer memory.

Load [paper source] with [custom string] [paper orientation]

Try one or more of the following:

- Load the tray or feeder with the correct size and type of paper, and then touch **Finished loading paper** on the control panel.
- Touch Reset active bin to reset the active bin for a linked set of bins.
- Cancel the current job.

Load [paper source] with [custom type name] [paper orientation]

- Load the tray or feeder with the correct size and type of paper, and then touch **Finished loading paper** on the control panel.
- Touch Reset active bin to reset the active bin for a linked set of bins.
- Cancel the print job.

Load [paper source] with [paper size] [paper orientation]

Try one or more of the following:

- Load the tray or feeder with the correct size of paper, and then touch **Finished loading paper** on the control panel.
- Touch **Reset active bin** to reset the active bin for a linked set of bins.
- Cancel the current job.

Load [paper source] with [paper type] [paper size] [paper orientation]

Try one or more of the following:

- Load the specified tray or feeder with the correct size and type of paper, and then touch **Finished loading paper** on the control panel.
- Touch **Reset active bin** to reset the active bin for a linked set of bins.
- Cancel the current job.

Load Manual Feeder with [custom string] [paper orientation]

Try one or more of the following:

- Load the feeder with the correct size and type of paper.
- From the printer control panel, touch Prompt each page, paper loaded or Do not prompt, paper loaded to clear the message and continue printing.
- From the printer control panel, touch Automatically select paper to use the paper loaded in the tray.
- Cancel the print job.

Load Manual Feeder with [custom type name] [paper orientation]

Try one or more of the following:

- Load the feeder with the correct size and type of paper.
- From the printer control panel, touch Prompt each page, paper loaded or Do not prompt, paper loaded to clear the message and continue printing.
- From the printer control panel, touch Automatically select paper to use the paper loaded in the tray.
- Cancel the print job.

Load Manual Feeder with [paper size] [paper orientation]

- Load the feeder with the correct size of paper.
- From the printer control panel, touch Prompt each page, paper loaded or Do not prompt, paper loaded to clear the message and continue printing.
- From the printer control panel, touch Automatically select paper to use the paper loaded in the tray.
- Cancel the print job.

Load Manual Feeder with [paper type] [paper size] [paper orientation]

Try one or more of the following:

- Load the feeder with the correct size and type of paper.
- From the printer control panel, touch Prompt each page, paper loaded or Do not prompt, paper loaded to clear the message and continue printing.
- From the printer control panel, touch Automatically select paper to use the paper loaded in the tray.
- Cancel the print job.

Maintenance kit low [80.xy]

You may need to order a maintenance kit. For more information, visit the Lexmark support Web site at http://support.lexmark.com or contact customer support, and then report the message.

If necessary, touch Continue to clear the message and continue printing.

Maintenance kit nearly low [80.xy]

For more information, visit the Lexmark support Web site at http://support.lexmark.com or contact customer support, and then report the message.

If necessary, touch **Continue** to clear the message and continue printing.

Maintenance kit very low, [x] estimated pages remain [80.xy]

You may need to replace the maintenance kit very soon. For more information, visit the Lexmark support Web site at http://support.lexmark.com or contact customer support, and then report the message.

If necessary, touch **Continue** to clear the message and continue printing.

Memory full [38]

Try one or more of the following:

- From the printer control panel, touch **Cancel job** to clear the message.
- Install additional printer memory.

Memory full, cannot print faxes

From the printer control panel, touch **Continue** to clear the message without printing. Held faxes attempt to print after the printer is restarted.

Memory full, cannot send faxes

- 1 From the printer control panel, touch **Continue** to clear the message and cancel the fax job.
- **2** Try one or more of the following:
 - Reduce the fax resolution, and then resend the fax job.
 - Reduce the number of pages in the fax, and then resend the fax job.

Misfeed cleared, extra sheets in output bin [24y.xx]

Select Continue on the printer control panel to clear the message and continue printing.

Note: To reduce misfeeds, make sure that media is fanned and loaded properly.

Network [x] software error [54]

Try one or more of the following:

- From the printer control panel, touch **Continue** to continue printing.
- Turn off the printer, wait for about 10 seconds, and then turn the printer back on.
- Update the network firmware in the printer or print server. For more information, visit the Lexmark support Web site at http://support.lexmark.com.

No analog phone line connected to modem, fax is disabled.

Connect the printer to an analog phone line.

Non-Lexmark [supply type], see User's Guide [33.xy]

Note: The supply type can be a toner cartridge or the imaging unit.

The printer has detected a non-Lexmark supply or part installed in the printer.

Your Lexmark printer is designed to function best with genuine Lexmark supplies and parts. Use of third-party supplies or parts may affect the performance, reliability, or life of the printer and its imaging components.

All life indicators are designed to function with Lexmark supplies and parts, and may deliver unpredictable results if third-party supplies or parts are used. Imaging component usage beyond the intended life may damage your Lexmark printer or associated components.

Warning—Potential Damage: Use of third-party supplies or parts can affect warranty coverage. Damage caused by the use of third-party supplies or parts may not be covered by the warranty.

To accept any and all of these risks, and to proceed with the use of non-genuine supplies or parts in your printer, touch and hold and the # on the printer control panel simultaneously for 15 seconds to clear the message and continue

If you do not want to accept these risks, then remove the third-party supply or part from your printer, and then install a genuine Lexmark supply or part.

Note: For the list of supported supplies, see the "Ordering supplies" section of the *User's Guide* or visit www.lexmark.com.

Not enough free space in flash memory for resources [52]

Try one or more of the following:

printing.

- From the printer control panel, touch Continue to clear the message and continue printing.
- Delete fonts, macros, and other data stored in the flash memory.
- Install a flash memory card with larger capacity.

Note: Downloaded fonts and macros not previously stored in the flash memory are deleted.

Paper changes needed

Try one or more of the following:

- Touch Use current supplies to clear the message and continue printing.
- Cancel the current print job.

Parallel port [x] disabled [56]

Try one or more of the following:

- From the printer control panel, touch **Continue** to clear the message.
- Enable the parallel port. From the printer control panel, navigate to:

Network/Ports > Parallel [x] > Parallel Buffer > Auto

Note: The printer discards any data received through the parallel port.

Printer had to restart. Last job may be incomplete.

From the printer control panel, touch Continue to clear the message and continue printing.

For more information, visit http://support.lexmark.com or contact customer support.

Reinstall missing or unresponsive cartridge [31.xy]

Try one or more of the following:

- Check if the toner cartridge is missing. If missing, install the toner cartridge.
 For information on installing the cartridge, see the "Replacing supplies" section of the User's Guide.
- If the toner cartridge is installed, then remove the unresponsive toner cartridge, and then reinstall it.

Note: If the message appears after reinstalling the supply, then the cartridge is defective. Replace the toner cartridge.

Reinstall missing or unresponsive imaging unit [31.xy]

Try one or more of the following:

- Check if the imaging unit is missing. If missing, install the imaging unit.

 For information on installing the imaging unit, see the "Replacing supplies" section of the *User's Guide*.
- · If the imaging unit is installed, then remove the unresponsive imaging unit, and then reinstall it.

Note: If the message appears after reinstalling the supply, then the imaging unit is defective. Replace the imaging unit.

Remove defective disk [61]

Remove and replace the defective printer hard disk.

Remove packaging material, [area name]

Remove any remaining packaging material from the specified location.

Remove paper from standard output bin

Remove the paper stack from the standard bin.

Replace all originals if restarting job.

Try one or more of the following:

- Touch **Cancel job** to clear the message and cancel the scan job.
- Touch **Scan from automatic feeder** to continue scanning from the ADF immediately after the last successful scan job.
- Touch Scan from flatbed to continue scanning from the scanner immediately after the last successful scan job.
- Touch Finish job without further scanning to end the last successful scan job.
- Touch Restart job to restart the scan job with the same settings from the previous scan job.

Replace cartridge, 0 estimated pages remain [88.xy]

Replace the toner cartridge to clear the message and continue printing. For more information, see the instruction sheet that came with the supply or see the "Replacing supplies" section of the *User's Guide*.

Note: If you do not have a replacement cartridge, then see the "Ordering supplies" section of the *User's Guide* or visit **www.lexmark.com**.

Replace cartridge, printer region mismatch [42.xy]

Install a toner cartridge that matches the region number of the printer. *x* indicates the value of the printer region. *y* indicates the value of the cartridge region. *x* and *y* can have the following values:

Printer and toner cartridge regions

Region number	Region
0	Global
1	United States, Canada
2	European Economic Area (EEA), Switzerland
3	Asia Pacific, Australia, New Zealand
4	Latin America
5	Africa, Middle East, rest of Europe
9	Invalid

Notes:

- The x and y values represent .xy in the code that appears on the printer control panel.
- The x and y values must match for printing to continue.

Replace imaging unit, 0 estimated pages remain [84.xy]

Replace the imaging unit to clear the message and continue printing. For more information, see the instruction sheet that came with the supply or see the "Replacing supplies" section of the *User's Guide*.

Note: If you do not have a replacement imaging unit, then see the "Ordering supplies" section of the *User's Guide* or visit **www.lexmark.com**.

Replace jammed originals if restarting job.

Try one or more of the following:

- Touch **Cancel job** to clear the message and cancel the scan job.
- Touch **Scan from automatic feeder** to continue scanning from the ADF immediately after the last successful scan job.
- Touch Scan from flatbed to continue scanning from the scanner immediately after the last successful scan job.
- Touch Finish job without further scanning to end the last successful scan job.
- Touch **Restart job** to restart the scan job with the same settings from the previous scan job.

Replace last scanned page and jammed originals if restarting job.

Try one or more of the following:

- Touch **Cancel job** to clear the message and cancel the scan job.
- Touch **Scan from automatic feeder** to continue scanning from the ADF immediately after the last successful scan job.
- Touch Scan from flatbed to continue scanning from the scanner immediately after the last successful scan job.
- Touch Finish job without further scanning to end the last successful scan job.
- Touch Restart job to restart the scan job with the same settings from the previous scan job.

Replace maintenance kit, 0 estimated pages remain [80.xy]

The printer is scheduled for maintenance. For more information, visit the Lexmark support Web site at http://support.lexmark.com or contact your service representative, and then report the message.

Replace missing fuser [80.xx]

- 1 Install the missing fuser. For more information, see the instruction sheet that came with the replacement part.
- **2** From the printer control panel, touch **Continue** to clear the message.

Replace roller kit [81.xx]

- Replace the roller kit. For more information, see the instruction sheet that came with the part.
- From the printer control panel, select Continue to clear the message and continue printing.

Replace separator pad

Try one or more of the following:

• Replace the separator pad. For more information, see the instruction sheet that came with the supply.

• From the printer control panel, touch **Ignore** to clear the message.

Replace unsupported cartridge [32.xy]

Remove the toner cartridge, and then install a supported one to clear the message and continue printing. For more information, see the instruction sheet that came with the supply or see the "Replacing supplies" section of the *User's Guide*.

Note: If you do not have a replacement cartridge, then see the "Ordering supplies" section of the *User's Guide* or visit **www.lexmark.com**.

Replace unsupported imaging unit [32.xy]

Remove the imaging unit, and then install a supported one to clear the message and continue printing. For more information, see the instruction sheet that came with the supply or see the "Replacing supplies" section of the *User's Guide*.

Note: If you do not have a replacement imaging unit, then see the "Ordering supplies" section of the *User's Guide* or visit **www.lexmark.com**.

Replace wiper

Try one or more of the following:

- Replace the fuser wiper in the printer.
- Touch Continue to clear the message and continue printing.

Restore held jobs?

Try one or more of the following:

- From the printer control panel, touch Restore to restore all held jobs stored in the printer hard disk.
- From the printer control panel, touch **Do not restore** if you do not want to restore any of the print jobs.

Scan document too long

The scan job exceeds the maximum number of pages. Touch Cancel job to clear the message and cancel the scan job.

Scanner automatic feeder cover open

Close the ADF cover.

Scanner disabled by admin [840.01]

Print without the scanner, or contact your system support person.

Scanner disabled. Contact system administrator if problem persists. [840.02]

Try one or more of the following:

• Touch **Continue with scanner disabled** to return to the home screen, and then contact your system support person.

• Touch **Reboot and automatically enable scanner** to cancel the job.

Note: This attempts to enable the scanner.

Scanner jam access cover open

Close the bottom ADF access cover to clear the message.

Scanner jam, open and close automatic feeder top cover [2yy.xx]

Remove the jammed paper from the ADF cover.

Scanner jam, remove all originals from the scanner [2yy.xx]

Remove the jammed paper from the scanner.

Scanner jam, remove jammed originals from the scanner [2yy.xx]

Remove the jammed paper from the scanner.

Scanner maintenance required soon, use ADF Kit [80]

Contact customer support, and then report the message. The printer is scheduled for maintenance.

Serial option [x] error [54]

Try one or more of the following:

- From the printer control panel, touch **Continue** to continue printing.
- Check that the serial cable is properly connected and is the correct one for the serial port.
- Check that the serial interface parameters (protocol, baud, parity, and data bits) are set correctly on the printer and computer.
- Turn off the printer, and then turn it back on.

Serial port [x] disabled [56]

- From the printer control panel, touch Continue to clear the message.
 The printer discards any data received through the specified serial port.
- Make sure Serial Buffer is not set to Disabled.
- From the printer control panel, set Serial Buffer to Auto in the Serial [x] menu.

Some held jobs were not restored

From the printer control panel, touch **Continue** to delete the indicated job.

Note: Held jobs that are not restored remain in the printer hard disk and are inaccessible.

Standard network software error [54]

Try one or more of the following:

- From the printer control panel, touch Continue to continue printing.
- Turn off the printer, and then turn it back on.
- Update the network firmware in the printer or print server. For more information, visit the Lexmark support Web site at http://support.lexmark.com or contact customer support, and then report the message.

Standard USB port disabled [56]

Try one or more of the following:

- From the printer control panel, touch **Continue** to clear the message.
- Enable the USB port. From the printer control panel, navigate to:

Network/Ports > USB Buffer > Auto

Note: The printer discards any data received through the USB port.

Supply needed to complete job

Do either of the following:

- Install the missing supply to complete the job.
- Cancel the current job.

Too many disks installed [58]

- 1 Turn off the printer.
- **2** Unplug the power cord from the electrical outlet.
- **3** Remove the extra printer hard disks.
- 4 Connect the power cord to a properly grounded electrical outlet.
- **5** Turn the printer back on.

Too many flash options installed [58]

- **1** Turn off the printer.
- **2** Unplug the power cord from the electrical outlet.
- **3** Remove the extra flash memory.

- 4 Connect the power cord to a properly grounded electrical outlet.
- **5** Turn the printer back on.

Too many trays attached [58]

- 1 Turn off the printer.
- 2 Unplug the power cord from the electrical outlet.
- **3** Remove the extra trays.
- 4 Connect the power cord to a properly grounded electrical outlet.
- **5** Turn the printer back on.

Tray [x] paper size unsupported

Replace with a supported paper size.

Unformatted flash detected [53]

Try one or more of the following:

- From the printer control panel, touch **Continue** to stop the defragmentation and continue printing.
- Format the flash memory.

Note: If the error message remains, then the flash memory may be defective and needs to be replaced.

Unsupported camera mode, unplug camera and change mode

The camera mode does not support PictBridge.

Unplug the camera, change the mode and plug the camera back into the printer.

Unsupported disk

Remove the unsupported printer hard disk, and then insert a supported one.

Unsupported option in slot [x] [55]

- 1 Turn off the printer.
- **2** Unplug the power cord from the electrical outlet.
- **3** Remove the unsupported option card from the printer controller board, and then replace it with a supported card.
- **4** Connect the power cord to a properly grounded electrical outlet.
- **5** Turn the printer back on.

USB port [x] disabled [56]

From the printer control panel, touch Continue to clear the message.

Notes:

- The printer discards any data received through the USB port.
- Make sure the USB Buffer menu is not set to Disabled.

Weblink server not set up. Contact system administrator.

From the printer control panel, touch **Continue** to clear the message.

Note: If the message appears again, then contact your system support person.

Solving printer problems

- "Basic printer problems" on page 287
- "Hardware and internal option problems" on page 289
- "Paper feed problems" on page 292

Basic printer problems

The printer is not responding

Action	Yes	No
Step 1 Make sure the printer is turned on.	Go to step 2.	Turn on the printer.
Is the printer turned on?		
Step 2 Check if the printer is in Sleep mode or Hibernate mode. Is the printer in Sleep mode or Hibernate mode?	Press the Sleep button to wake the printer from Sleep mode or Hibernate mode.	Go to step 3.
Step 3 Check if one end of the power cord is plugged into the printer and the other to a properly grounded electrical outlet. Is the power cord plugged into the printer and a properly grounded electrical outlet?	Go to step 4.	Plug one end of the power cord into the printer and the other to a properly grounded electrical outlet.
Step 4 Check other electrical equipment plugged into the electrical outlet. Does other electrical equipment work?	Unplug the other electrical equipment, and then turn on the printer. If the printer does not work, then reconnect the other electrical equipment.	Go to step 5.

Action	Yes	No
Step 5 Check if the cables connecting the printer and the computer are inserted in the correct ports. Are the cables inserted in the correct ports?	Go to step 6.	Make sure to match the following: The USB symbol on the cable with the USB symbol on the printer The appropriate Ethernet cable with the Ethernet port
Step 6 Make sure the electrical outlet is not turned off by a switch or breaker. Is the electrical outlet turned off by a switch or breaker?	Turn on the switch or reset the breaker.	Go to step 7.
Step 7 Check if the printer is plugged into any surge protectors, uninterruptible power supplies, or extension cords. Is the printer plugged into any surge protectors, uninterruptible power supplies, or extension cords?	Connect the printer power cord directly to a properly grounded electrical outlet.	Go to step 8.
Step 8 Check if one end of the printer cable is plugged into a port on the printer and the other to the computer, print server, option, or other network device. Is the printer cable securely attached to the printer and the computer, print server, option, or other network device?	Go to step 9.	Connect the printer cable securely to the printer and the computer, print server, option, or other network device.
Step 9 Make sure to install all hardware options properly and remove any packing material. Are all hardware options properly installed and all packing material removed?	Go to step 10.	Turn off the printer, remove all packing materials, then reinstall the hardware options, and then turn on the printer.
Step 10 Check if you have selected the correct port settings in the printer driver. Are the port settings correct?	Go to step 11.	Use correct printer driver settings.
Step 11 Check the installed printer driver. Is the correct printer driver installed?	Go to step 12.	Install the correct printer driver.
Step 12 Turn off the printer, then wait for about 10 seconds, and then turn the printer back on. Is the printer working?	The problem is solved.	Contact <u>customer</u> <u>support</u> .
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Printer display is blank

Action	Yes	No
Step 1 Press the Sleep button on the printer control panel.	The problem is solved.	Go to step 2.
Does Ready appear on the printer display?		
Step 2 Turn off the printer, then wait for about 10 seconds, and then turn the printer back on.	The problem is solved.	Turn off the printer, and then contact customer support.
Do Please wait and Ready appear on the printer display?		

Hardware and internal option problems

Cannot detect internal option

Action	Yes	No
Step 1 Turn off the printer, then wait for about 10 seconds, and then turn on the printer.	The problem is solved.	Go to step 2.
Does the internal option operate correctly?		
 Step 2 Check if the internal option is properly installed in the controller board. a Turn off the printer using the power switch, and then unplug the power cord from the electrical outlet. b Make sure the internal option is installed in the appropriate connector in the controller board. c Connect the power cord to the printer, then to a properly grounded electrical outlet, and then turn on the printer. Is the internal option properly installed in the controller board? 	Go to step 3.	Connect the internal option to the controller board.
Step 3 Print a menu settings page, and then check to see if the internal option is listed in the Installed Features list. Is the internal option listed in the menu settings page?	Go to step 4.	Reinstall the internal option.

Action	Yes	No
Step 4 a Check if the internal option is selected.	The problem is solved.	Contact <u>customer</u> <u>support</u> .
It may be necessary to manually add the internal option in the printer driver to make it available for print jobs. For more information, see "Adding available options in the print driver" on page 52.		
b Resend the print job. Does the internal option operate correctly?		

Internal print server does not operate correctly

Action	Yes	No
 Step 1 Reinstall the internal print server. a Remove, and then install the internal print server. For more information, see "Installing an Internal Solutions Port" on page 34. b Print a menu settings page, and then check if the internal print server is listed in the Installed Features list. Is the internal print server listed in the Installed Features list? 	Go to step 2.	Check if the internal print server is supported by the printer. Note: An internal print server from another printer may not work with this printer.
Step 2 Check the cable and the internal print server connection. Use the correct cable, and then check if it is securely connected to the internal print server. Does the internal print server operate correctly?	The problem is solved.	Contact <u>customer</u> <u>support</u> .

Internal Solutions Port does not operate correctly

Action	Yes	No
Step 1 Make sure the Internal Solutions Port (ISP) is installed.	Go to step 2.	Check if you have a supported ISP.
 a Install the ISP. For more information, see "Installing an Internal Solutions Port" on page 34. b Print a menu settings page, and then check if the ISP is listed in the 		Note: An ISP from another printer may not work on this
Installed Features list. Is the ISP listed in the Installed Features list?		printer.

Ac	tion	Yes	No
	ep 2 eck the cable and the ISP connection.	The problem is solved.	Contact <u>customer</u> <u>support</u> .
а	Use the correct cable, and then make sure it is securely connected to the ISP.		
b	Check if the ISP solution interface cable is securely connected into the receptacle of the controller board.		
	Note: The ISP solution interface cable and the receptacle on the controller board are color-coded.		
Do	es the Internal Solutions Port operate correctly?		

Tray problems

Action	Yes	No
Step 1	The problem is solved.	Go to step 2.
a Pull out the tray, and then do one or more of the following:		
Check for paper jams or misfeeds.		
 Check if the paper size indicators on the paper guides are aligned with the paper size indicators on the tray. 		
 If you are printing on custom-size paper, then make sure that the paper guides rest against the edges of the paper. 		
 Make sure the paper is below the maximum paper fill indicator. 		
Make sure paper lies flat in the tray.		
b Check if the tray closes properly.		
Is the tray working?		
Step 2	The problem is solved.	Go to step 3.
a Turn off the printer, then wait about 10 seconds, and then turn the printer back on.		
b Resend the print job.		
Is the tray working?		
Step 3	Go to step 4.	Reinstall the tray. For
Check if the tray is installed and recognized by the printer.		more information, see
Print a menu settings page, and then check if the tray is listed in the Installed Features list.		the setup documentation that came with the tray.
Is the tray listed in the menu settings page?		

Action	Yes	No
Step 4 Check if the tray is available in the printer driver.	The problem is solved.	Contact <u>customer</u> <u>support</u> .
Note: If necessary, manually add the tray in the printer driver to make it available for print jobs. For more information, see <u>"Adding available options in the print driver" on page 52</u> .		
Is the tray available in the printer driver?		

USB/parallel interface card does not operate correctly

Action	Yes	No
Step 1 Make sure the USB or parallel interface card is installed. a Install the USB or parallel interface card. For more information, see "Installing an Internal Solutions Port" on page 34. b Print a menu settings page, and then check if the USB or parallel interface card is listed in the Installed Features list. Is the USB or parallel interface card listed in the Installed Features list?	Go to step 2.	Check if you have a supported USB or parallel interface card. Note: A USB or parallel interface card from another printer may not work on this printer.
Step 2 Check the cable and the USB or parallel interface card connection. Use the correct cable, and then make sure it is securely connected to the USB or parallel interface card. Does the USB or parallel interface card operate correctly?	The problem is solved.	Contact <u>customer</u> <u>support</u> .

Paper feed problems

Jammed pages are not reprinted

Action	Yes	No
Turn on Jam Recovery. a From the home screen, navigate to:	The problem is solved.	Contact <u>customer</u> <u>support</u> .
> Settings > General Settings > Print Recovery b From the Jam Recovery menu, touch the arrows to scroll to On or Auto. c Touch Submit.		
Do pages reprint after a jam?		

Paper frequently jams

Action	Yes	No
Step 1	Go to step 2.	The problem is solved.
a Pull out the tray, and then do one or more of the following:		
Make sure paper lies flat in the tray.		
 Check if the paper size indicators on the paper guides are aligned with the paper size indicators on the tray. 		
 Check if the paper guides are aligned against the edges of the paper. 		
 Make sure the paper is below the maximum paper fill indicator. 		
Check if you are printing on a recommended paper size and type.		
b Insert the tray properly.		
If jam recovery is enabled, then the print jobs will reprint automatically.		
Do paper jams still occur frequently?		
Step 2	Go to step 3.	The problem is solved.
a Load paper from a fresh package.		
Note: Paper absorbs moisture due to high humidity. Store paper in its original wrapper until you use it.		
b Resend the print job.		
Do paper jams still occur frequently?		
Step 3	Contact <u>customer</u>	The problem is solved.
a Review the tips on avoiding jams. For more information, see <u>"Avoiding jams" on page 254</u> .	support.	
b Follow the recommendations, and then resend the print job.		
Do paper jams still occur frequently?		

Paper jam message remains after jam is cleared

Action	Yes	No
Check the entire paper path for jammed paper. a Remove any jammed paper. b From the printer control panel, touch Continue to clear the message.	Contact <u>customer</u> <u>support</u> .	The problem is solved.
Does the paper jam message remain?		

Solving print problems

Printing problems

Confidential and other held jobs do not print

Note: Confidential, Verify, Reserve, and Repeat print jobs may be deleted if the printer requires extra memory to process additional held jobs.

Action	Yes	No
Step 1 Open the held jobs folder on the printer display, and then verify that your print job is listed. Is your print job listed in the held jobs folder?	Go to step 2.	Select one of the Print and Hold options, and then resend the print job. For more information, see "Printing confidential and other held jobs" on page 91.
Step 2	The problem is solved.	Go to step 3.
The print job may contain a formatting error or invalid data.		
Delete the print job, and then send it again.		
For PDF files, generate a new PDF, and then print it again.		
If you are printing from the Internet, then the printer may be reading multiple job titles as duplicates and deleting all jobs except the first one.		
For Windows users		
a Open the Print Properties folder.		
b From the Print and Hold dialog, select the "Keep duplicate documents" check box.		
c Enter a PIN number.		
For Macintosh users		
Save each print job, name each job differently, and then send the individual jobs to the printer.		
Does the job print?		
Step 3	The problem is solved.	Add additional printer
Free up additional printer memory by deleting some of the held jobs.		memory.
Does the job print?		

Envelope seals when printing

Action	Yes	No
 a Use envelopes that have been stored in a dry environment. Note: Printing on envelopes with high moisture content can seal the flaps. b Resend the print job. 	Contact <u>customer</u> <u>support</u> .	The problem is solved.
Does the envelope seal when printing?		

Error message about reading the flash drive appears

Action	Yes	No
Step 1	Go to step 2.	Insert the flash drive
Check if the flash drive is inserted into the front USB port.		into the front USB port.
Note: The flash drive will not work if it is inserted into the rear USB port.		
Is the flash drive inserted into the front USB port?		
Step 2	Wait until the printer is	Go to step 3.
Check if the indicator light on the printer control panel is blinking green.	ready, then view the	
Note: A green blinking light indicates that the printer is busy.	held jobs list, and then print the documents.	
Is the indicator light blinking green?		
Step 3	Go to step 4.	The problem is solved.
a Check for an error message on the display.		
b Clear the message.		
Does the error message still appear?		
Step 4	Go to step 5.	The problem is solved.
Check if the flash drive is supported.		
For more information on tested and approved USB flash drives, see		
"Supported flash drives and file types" on page 89.		
Does the error message still appear?		
Step 5	Contact <u>customer</u>	The problem is solved.
Check if the USB port is disabled by the system support person.	support.	
Does the error message still appear?		

Incorrect characters print

Action	Yes	No
Step 1 Make sure the printer is not in Hex Trace mode.	Deactivate Hex Trace mode.	Go to step 2.
Note: If Ready Hex appears on the printer display, then turn off the printer, and then turn it back on to deactivate Hex Trace mode.		
Is the printer in Hex Trace mode?		
Step 2	Contact <u>customer</u>	The problem is solved.
a From the printer control panel, select Standard Network or Network [x] , and then set SmartSwitch to On.	support.	
b Resend the print job.		
Do incorrect characters print?		

Job prints from the wrong tray or on the wrong paper

Action	Yes	No
Step 1	The problem is solved.	Go to step 2.
a Check if you are printing on paper that is supported by the tray.		
b Resend the print job.		
Did the job print from the correct tray or on the correct paper?		
Step 2	The problem is solved.	Go to step 3.
a From the Paper menu on the printer control panel, set the paper size and type to match the paper loaded in the tray.		
b Resend the print job.		
Did the job print from the correct tray or on the correct paper?		
Step 3	The problem is solved.	Go to step 4.
a Depending on your operating system, open Printing Preferences or the Print dialog, and then specify the paper type.		
b Resend the print job.		
Did the job print from the correct tray or on the correct paper?		
Step 4	The problem is solved.	Contact <u>customer</u>
a Check if the trays are not linked.		support.
b Resend the print job.		
Did the job print from the correct tray or on the correct paper?		

Large jobs do not collate

Action	Yes	No
Step 1	The problem is solved.	Go to step 2.
a From the Finishing menu on the printer control panel, set Collate to (1,2,3) (1,2,3).		
b Resend the print job.		
Did the job print and collate correctly?		
Step 2	The problem is solved.	Go to step 3.
a From the printer software, set Collate to (1,2,3) (1,2,3).		
Note: Setting Collate to (1,1,1) (2,2,2) in the software overrides the setting in the Finishing menu.		
b Resend the print job.		
Did the job print and collate correctly?		
Step 3	The problem is solved.	Contact <u>customer</u>
Reduce the complexity of the print job by eliminating the number and size of fonts, the number and complexity of images, and the number of pages in the job.		support.
Did the job print and collate correctly?		

Multiple-language PDF files do not print

Action	Yes	No
Step 1	The problem is solved.	Go to step 2.
a Check if the print options for the PDF output are set to embed all fonts.		
For more information, see the documentation that came with Adobe Acrobat.		
b Generate a new PDF file, and then resend the print job.		
Do the files print?		
Step 2	The problem is solved.	Contact <u>customer</u>
a Open the document you want to print in Adobe Acrobat.		support.
b Click File > Print > Advanced > Print As Image > OK > OK .		
Do the files print?		

Print jobs do not print

Action	Yes	No
Step 1	The problem is solved.	Go to step 2.
a From the document you are trying to print, open the Print dialog and check if you have selected the correct printer.		
Note: If the printer is not the default printer, then you must select the printer for each document that you want to print.		
b Resend the print job.		
Do the jobs print?		
Step 2	The problem is solved.	Go to step 3.
a Check if the printer is plugged in and turned on, and if Ready appears on the printer display.		
b Resend the print job.		
Do the jobs print?		
Step 3	The problem is solved.	Go to step 4.
If an error message appears on the printer display, then clear the message.		
Note: The printer continues to print after clearing the message.		
Do the jobs print?		
Step 4	The problem is solved.	Go to step 5.
a Check if the ports (USB, serial, or Ethernet) are working and if the cables are securely connected to the computer and the printer.		
Note: For more information, see the setup documentation that came with the printer.		
b Resend the print job.		
Do the jobs print?		
Step 5	The problem is solved.	Go to step 6.
a Turn off the printer, then wait for about 10 seconds, and then turn the printer back on.		
b Resend the print job.		
Do the jobs print?		
Step 6	The problem is solved.	Contact <u>customer</u>
a Remove, and then reinstall the printer software. For more information, see <u>"Installing the printer" on page 52</u> .		support.
Note: The printer software is available at http://support.lexmark.com .		
b Resend the print job.		
Do the jobs print?		

Print job takes longer than expected

Action	Yes	No
Step 1	The problem is solved.	Go to step 2.
Change the environmental settings of the printer.		
a From the printer control panel, navigate to:		
Settings > General Settings		
b Select Eco-Mode or Quiet Mode , and then select Off .		
Note: Disabling Eco-Mode or Quiet Mode may increase the consumption of energy or supplies, or both.		
Did the job print?		
Step 2	The problem is solved.	Go to step 3.
Reduce the number and size of fonts, the number and complexity of images, and the number of pages in the print job, and then resend the job		
Did the job print?		
Step 3	The problem is solved.	Go to step 4.
a Remove held jobs stored in the printer memory.		
b Resend the print job.		
Did the job print?		
Step 4	The problem is solved.	Go to step 5.
a Disable the Page Protect feature.		
From the printer control panel, navigate to:		
Settings > General Settings > Print Recovery > Page Protect > Off		
b Resend the print job.		
Did the job print?		
Step 5	The problem is solved.	Go to step 6.
a Check if the cable connections to the printer and print server are secure. For more information, see the setup documentation that came with the printer.		
b Resend the print job.		
Did the job print?		
Step 6	The problem is solved.	Contact customer
Install additional printer memory, and then resend the print job.		support.
Did the job print?		

Printing slows down

Notes:

• When printing using narrow paper, the printer prints at a reduced speed to prevent damage to the fuser.

• The printer speed may be reduced when printing for long periods of time, or printing at elevated temperatures.

Action	Yes	No
Step 1	The problem is solved.	Go to step 2.
a Make sure the size of the paper loaded in the tray matches the fuser type.		
Note: Use a 110-volt fuser for printing on letter-size paper and a 220-volt fuser for printing on A4-size paper.		
b Resend the print job.		
Does the print speed increase?		
Step 2	The problem is solved.	Contact <u>customer</u>
a Replace the fuser. For more information on installing the fuser, see the instruction sheet that came with the part.		support.
b Resend the print job.		
Does the print speed increase?		

Tray linking does not work

Notes:

- The trays can detect paper length.
- The multipurpose feeder does not automatically detect the paper size. You must set the size from the Paper Size/Type menu.

Action	Yes	No
Step 1	The problem is solved.	Go to step 2.
a Open the trays, and then check if they contain paper of the same size and type.		
 Check if the paper guides are in the correct positions for the size of the paper loaded in each tray. 		
 Check if the paper size indicators on the paper guides are aligned with the paper size indicators on the tray. 		
b Resend the print job.		
Do the trays link correctly?		

Action	Yes	No
Step 2 a From the printer control panel, set the paper size and type in the Paper menu to match the paper loaded in the trays to be linked.	The problem is solved.	Contact <u>customer</u> <u>support</u> .
Note: The paper size and type must match for trays to be linked. b Resend the print job.		
Do the trays link correctly?		

Unexpected page breaks occur

Action	Yes	No
Increase the printing timeout. a From the home screen, navigate to: > Settings > General Settings > Timeouts b Increase the Print Timeout setting, and then touch Submit. c Resend the print job.	The problem is solved.	Check the original file for manual page breaks.
Did the file print correctly?		

Print quality problems

Characters have jagged or uneven edges



Action	Yes	No
Step 1	Go to step 2.	The problem is solved.
a Print a font sample list to check if the fonts you are using are supported by the printer.		
1 From the printer control panel, navigate to:		
> Reports > Print Fonts		
2 Touch PCL Fonts or PostScript Fonts.		
b Use a font that is supported by the printer or install the font that you want to use. For more information, contact your system support person.		
c Resend the print job.		
Do prints still contain characters that have jagged or uneven edges?		
Step 2	Contact <u>customer</u>	The problem is solved.
a Use a font that is supported by the printer or install the font that you want to use on your computer. For more information, contact your system support person.	support.	
b Resend the print job.		
Do prints still contain characters that have jagged or uneven edges?		

Clipped pages or images





Action	Yes	No
Step 1 a Move the width and length guides in the tray to the correct positions for the paper loaded.	Go to step 2.	The problem is solved.
b Resend the print job. Is the page or image clipped?		

Action	Yes	No
Step 2 From the printer control panel, set the paper size and type in the Paper menu to match the paper loaded in the tray. Do the paper size and type match the paper loaded in the tray?	Go to step 3.	Do one or more of the following: • Specify the paper size from the tray settings to match the paper loaded in the tray. • Change the paper loaded in the tray to match the paper size specified in the tray settings.
 Step 3 a Depending on your operating system, specify the paper size from Printing Preferences or from the Print dialog. b Resend the print job. 	Go to step 4.	The problem is solved.
Step 4 a Reinstall the imaging unit. 1 Remove the toner cartridge. 2 Remove the imaging unit. Warning—Potential Damage: Do not expose the imaging unit to direct light for more than 10 minutes. Extended exposure to light may cause print quality problems. 3 Install the imaging unit, and then the cartridge. b Resend the print job. Is the page or image clipped?	Contact <u>customer</u> <u>support</u> .	The problem is solved.

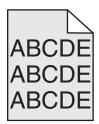
Compressed images appear on prints

Note: Printing on letter-size paper using a 220-volt fuser compresses images.

Ac	tion	Yes	No
Sto	ep 1	The problem is solved.	Go to step 2.
а	Make sure the size of the paper loaded in the tray matches the fuser type.		
	Note: Use a 110-volt fuser for printing on letter-size paper and a 220-volt fuser for printing on A4-size paper.		
b	Resend the print job.		
Do	compressed images still appear?		

Action	Yes	No
 Step 2 a Replace the fuser. For more information on installing the fuser, see the instruction sheet that came with the part. b Resend the print job. 	The problem is solved.	Contact <u>customer</u> <u>support</u> .
Do compressed images still appear?		

Gray background on prints





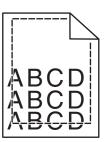
Action	Yes	No
Step 1	The problem is solved.	Go to step 2.
a From the Quality Menu on the printer control panel, decrease the toner darkness.		
Note: 8 is the factory default setting.		
b Resend the print job.		
Did the gray background disappear from the prints?		
Step 2	The problem is solved.	Go to step 3.
Reinstall the imaging unit and the toner cartridge.		
a Remove the toner cartridge.		
b Remove the imaging unit.		
Warning—Potential Damage: Do not expose the imaging unit to direct light for more than 10 minutes. Extended exposure to light can cause print quality problems.		
c Install the imaging unit, and then the cartridge.		
d Resend the print job.		
Did the gray background disappear from the prints?		
Step 3	The problem is solved.	Contact customer
Replace the imaging unit, and then resend the print job.		support.
Did the gray background disappear from the prints?		

Horizontal voids appear on prints



Action	Yes	No
Step 1	Go to step 2.	The problem is solved.
a Make sure your software program is using a correct fill pattern.b Resend the print job.		
Do horizontal voids appear on prints?		
Step 2	Go to step 3.	The problem is solved.
a Load the specified tray or feeder with a recommended type of paper.		
b Resend the print job.		
Do horizontal voids appear on prints?		
Step 3	Go to step 4.	The problem is solved.
a Redistribute the toner in the imaging unit.		
1 Remove the toner cartridge, and then the imaging unit.		
2 Firmly shake the imaging unit.		
Warning—Potential Damage: Do not expose the imaging unit to direct light for more than 10 minutes. Extended exposure to light may cause print quality problems.		
3 Reinstall the imaging unit, and then the cartridge.		
b Resend the print job.		
Do horizontal voids appear on prints?		
Step 4	Contact <u>customer</u>	The problem is solved.
Replace the imaging unit, and then resend the print job.	support.	
Do horizontal voids appear on prints?		

Incorrect margins on prints

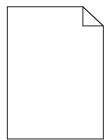


Action	Yes	No
 Step 1 a Move the width and length guides in the tray to the correct positions for the paper size loaded. b Resend the print job. Are the margins correct?	The problem is solved.	Go to step 2.
Step 2 From the printer control panel, set the paper size in the Paper menu to match the paper loaded in the tray. Does the paper size match the paper loaded in the tray?	Go to step 3.	Do one or more of the following: Specify the paper size from the tray settings to match the paper loaded in the tray. Change the paper loaded in the tray to match the paper size specified in the tray settings.
 Step 3 a Depending on your operating system, specify the paper size from Printing Preferences or from the Print dialog. b Resend the print job. Are the margins correct?	The problem is solved.	Contact <u>customer</u> <u>support</u> .

Paper curl

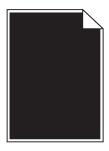
Action	Yes	No
Step 1 Move the width and length guides in the tray to the correct positions for the size of the paper loaded.	Go to step 2.	Adjust the width and length guides.
Are the width and length guides positioned correctly?		
Step 2 From the printer control panel, set the paper type and weight in the Paper menu to match the paper loaded in the tray. Do the paper type and weight match the type and weight of the paper in the tray?	Go to step 3.	Specify the paper type and weight from the tray settings to match the paper loaded in the tray.
Step 3	Go to step 4.	The problem is solved.
a Depending on your operating system, specify the paper type and weight from Printing Preferences or from the Print dialog.		
b Resend the print job.		
Is the paper still curled?		
Step 4	Go to step 5.	The problem is solved.
a Remove the paper from the tray, and then turn it over.		
b Resend the print job.		
Is the paper still curled?		
Step 5	Contact <u>customer</u>	The problem is solved.
a Load paper from a fresh package.	support.	
Note: Paper absorbs moisture due to high humidity. Store paper in its original wrapper until you use it.		
b Resend the print job.		
Is the paper still curled?		

Printer is printing blank pages



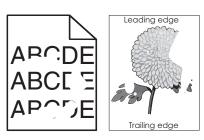
Act	ion		Yes	No
Ste	Step 1		Go to step 2.	The problem is solved.
а	a Check if there is packing material left on the imaging unit.			
	1	Remove the toner cartridge, and then the imaging unit.		
	2	Check if the packing material is properly removed from the imaging unit. $ \\$		
		Warning—Potential Damage: Do not expose the imaging unit to direct light for more than 10 minutes. Extended exposure to light may cause print quality problems.		
	3	Reinstall the imaging unit, and then the cartridge.		
b	Re	send the print job.		
Is t	he į	printer still printing blank pages?		
Ste	p 2		Go to step 3.	The problem is solved.
а	Re	distribute the toner in the imaging unit.		
	1	Remove the toner cartridge, and then the imaging unit.		
	2	Firmly shake the imaging unit.		
		Warning—Potential Damage: Do not expose the imaging unit to direct light for more than 10 minutes. Extended exposure to light may cause print quality problems.		
	3	Reinstall the imaging unit, and then the cartridge.		
b	Re	send the print job.		
ls t	Is the printer still printing blank pages?			
	p 3 olac	e the imaging unit, and then resend the print job.	Contact <u>customer</u> <u>support</u> .	The problem is solved.
ls t	he ¡	orinter still printing blank pages?		

Printer is printing solid black pages



Action	Yes	No
Step 1	Go to step 2.	The problem is solved.
a Reinstall the imaging unit.		
Remove the toner cartridge, and then the imaging unit.		
Warning—Potential Damage: Do not expose the imaging unit to direct light for more than 10 minutes. Extended exposure to light may cause print quality problems.		
2 Install the imaging unit, and then the cartridge.		
b Resend the print job.		
Is the printer printing solid black pages?		
Step 2	Contact <u>customer</u>	The problem is solved.
Replace the imaging unit, and then resend the print job.	support.	
Is the printer printing solid black pages?		

Print irregularities



Action	Yes	No
Step 1	Go to step 2.	The problem is solved.
a Move the width and length guides in the tray to the correct positions for the size of the paper loaded in the tray.		
b Resend the print job.		
Do print irregularities still appear?		
Step 2	Go to step 3.	Specify the paper size
From the printer control panel, set the paper size and type in the Paper menu to match the paper loaded in the tray.		and type from the tray settings to match the paper loaded in the
Do the printer settings match the type and weight of the paper loaded in the tray?		tray.
Step 3	Go to step 4.	The problem is solved.
a Depending on your operating system, specify the paper type and weight from Printing Preferences or from the Print dialog.		
b Resend the print job.		
Do print irregularities still appear?		

Action	Yes	No
Step 4 Check if the paper loaded in the tray has texture or rough finishes. Are you printing on textured or rough paper?	From the printer control panel, set the paper texture in the Paper menu to match the paper loaded in the tray.	Go to step 5.
 Step 5 a Load paper from a fresh package. Note: Paper absorbs moisture due to high humidity. Store paper in its original wrapper until you use it. b Resend the print job. Do print irregularities still appear? 	Go to step 6.	The problem is solved.
Step 6 Replace the imaging unit, and then resend the print job. Do print irregularities still appear?	Contact <u>customer</u> <u>support</u> at http://support.lexmar <u>k.com</u> or your service representative.	The problem is solved.

Print is too dark



Action	Yes	No
Step 1	Go to step 2.	The problem is solved.
a From the Quality menu on the printer control panel, reduce the toner darkness.		
Note: 8 is the factory default setting.		
b Resend the print job.		
Is the print still too dark?		

Action	Yes	No
 Step 2 a From the printer control panel, set the paper type, texture and weight in the Paper menu to match the paper loaded in the tray. b Resend the print job. Is the tray set to the type, texture, and weight of the paper loaded? 	Go to step 3.	Do one or more of the following: • Specify the paper type, texture, and weight from the tray settings to match the paper loaded in the tray. • Change the paper loaded in the tray to match the paper type, texture and weight specified in the tray settings.
 Step 3 a Depending on your operating system, specify the paper type, texture and weight from Printing Preferences or from the Print dialog. b Resend the print job. Is the print still too dark? 	Go to step 4.	The problem is solved.
Step 4 Check if the paper loaded in the tray has texture or rough finishes. Are you printing on textured or rough paper?	From the printer control panel, change the texture settings in the Paper Texture menu to match the paper you are printing on.	Go to step 5.
 Step 5 a Load paper from a fresh package. Note: Paper absorbs moisture due to high humidity. Store paper in its original wrapper until you use it. b Resend the print job. 	Go to step 6.	The problem is solved.
Step 6 Replace the imaging unit, and then resend the print job. Is the print still too dark?	Contact <u>customer</u> <u>support</u> .	The problem is solved.

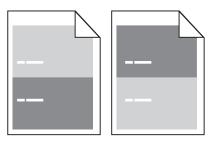
Print is too light



Action	Yes	No
 Step 1 a From the Quality menu on the printer control panel, increase the toner darkness. Note: 8 is the factory default setting. b Resend the print job. 	Go to step 2.	The problem is solved.
Step 2 From the printer control panel, set the paper type, texture, and weight in the Paper menu to match the paper loaded in the tray. Is the tray set to the type, texture, and weight of the paper loaded?	Go to step 3.	Change the paper type, texture, and weight to match the paper loaded in the tray.
 Step 3 a Depending on your operating system, specify the paper type, texture, and weight from Printing Preferences or from the Print dialog. b Resend the print job. 	Go to step 4.	The problem is solved.
Step 4 Make sure that the paper has no texture or rough finishes. Are you printing on textured or rough paper?	From the printer control panel, change the texture settings in the Paper Texture menu to match the paper you are printing on.	Go to step 5.
Step 5 a Load paper from a fresh package. Note: Paper absorbs moisture due to high humidity. Store paper in its original wrapper until you use it. b Resend the print job. Is the print still too light?	Go to step 6.	The problem is solved.

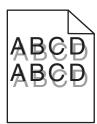
Action	Yes	No
Step 6	Go to step 7.	The problem is solved.
a Redistribute the toner in the imaging unit.		
Remove the toner cartridge, and then the imaging unit.		
2 Firmly shake the imaging unit.		
Warning—Potential Damage: Do not expose the imaging unit to direct light for more than 10 minutes. Extended exposure to light may cause print quality problems.		
3 Install the imaging unit, and then the cartridge.		
b Resend the print job.		
Is the print still too light?		
Step 7	Contact <u>customer</u>	The problem is solved.
Replace the imaging unit, and then resend the print job.	support.	
Is the print still too light?		

Repeating defects appear on prints



Action	Yes	No
Step 1	Go to step 2.	The problem is solved.
a Replace the imaging unit if the distance between the defects is equal to any of the following:		
• 47.8 mm (1.88 in.)		
• 96.8 mm (3.81 in.)		
• 28.5 mm (1.12 in.)		
b Resend the print job.		
Do repeating defects still appear on prints?		
Step 2	Contact <u>customer</u>	The problem is solved.
a Replace the fuser if the distance between the defects is equal to either of the following:	support.	
• 94.25 mm (3.71 in.)		
• 95.2 mm (3.75 in.)		
b Resend the print job.		
Do repeating defects still appear on prints?		

Shadow images appear on prints





Action	Yes	No
Step 1 Load paper with the correct paper type and weight in the tray.	Go to step 2.	Load paper with the correct paper type and weight in the tray.
Is paper with the correct paper type and weight loaded in the tray?		
Step 2 From the printer control panel, set the paper type and weight in the Paper menu to match the paper loaded in the tray.	Go to step 3.	Change the paper loaded in the tray to match the paper type and weight specified in the tray settings.
Is the tray set to the type and weight of the paper loaded?		, 0
 a Depending on your operating system, specify the paper type and weight from Printing Preferences or from the Print dialog. b Resend the print job. 	Go to step 4.	The problem is solved.
Do shadow images still appear on prints?		
Step 4 Replace the imaging unit, and then resend the print job.	Contact <u>customer</u> <u>support</u> .	The problem is solved.
Do shadow images still appear on prints?		

Skewed print



Action	Yes	No
Step 1	Go to step 2.	The problem is solved.
a Move the width and length guides in the tray to the correct positions for the size of the paper loaded.		
b Resend the print job.		
Is the print still skewed?		
Step 2	Contact <u>customer</u>	The problem is solved.
a Check if you are printing on a paper that is supported by the tray.	support.	
b Resend the print job.		
Is the print still skewed?		

Streaked horizontal lines appear on prints



Action	Yes	No
 Step 1 a Depending on your operating system, specify the tray or feeder from Printing Preferences or the Print dialog. b Resend the print job. 	Go to step 2.	The problem is solved.
Do streaked horizontal lines appear on prints?		
Step 2 From the printer control panel, set the paper type and weight in the Paper menu to match the paper loaded in the tray. Do the paper type and weight match the type and weight of the paper in	Go to step 3.	Change the paper type and weight to match the paper loaded in the tray.
the tray?	Go to stop 4	The problem is solved
 Step 3 a Load paper from a fresh package. Note: Paper absorbs moisture due to high humidity. Store paper in its original wrapper until you use it. b Resend the print job. 	Go to step 4.	The problem is solved.
Do streaked horizontal lines appear on prints?		

Action	Yes	No
Step 4	Go to step 5.	The problem is solved.
a Reinstall the imaging unit.		
1 Remove the toner cartridge, and then the imaging unit.		
Warning—Potential Damage: Do not expose the imaging unit to direct light for more than 10 minutes. Extended exposure to light may cause print quality problems.		
2 Install the imaging unit, and then the cartridge.		
b Resend the print job.		
Do streaked horizontal lines appear on prints?		
Step 5 Replace the imaging unit, and then resend the print job.	Contact <u>customer</u> <u>support</u> .	The problem is solved.
The principal with and the free principal.		
Do streaked horizontal lines appear on prints?		

Streaked vertical lines appear on prints





Action	Yes	No
 Step 1 a Depending on your operating system, specify the paper type, texture, and weight from Printing Preferences or from the Print dialog. b Resend the print job. Do streaked vertical lines appear on prints?	Go to step 2.	The problem is solved.
Step 2 From the printer control panel, set the paper texture, type, and weight in the Paper menu to match the paper loaded in the tray. Do the paper texture, type, and weight match the paper in the tray?	Go to step 3.	Do one or more of the following: • Specify the paper texture, type, and weight from the tray settings to match the paper loaded in the tray. • Change the paper loaded in the tray to match the paper texture, type, and weight specified in the tray settings.

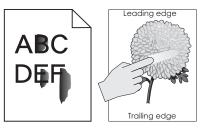
Action	Yes	No
Step 3	Go to step 4.	The problem is solved.
a Load paper from a fresh package.		
Note: Paper absorbs moisture due to high humidity. Store paper in its original wrapper until you use it.		
b Resend the print job.		
Do streaked vertical lines appear on prints?		
Step 4	Go to step 5.	The problem is solved.
a Reinstall the imaging unit.		
Remove the toner cartridge, and then the imaging unit.		
Warning—Potential Damage: Do not expose the imaging unit to direct light for more than 10 minutes. Extended exposure to light may cause print quality problems.		
2 Install the imaging unit, and then the cartridge.		
b Resend the print job.		
Do streaked vertical lines appear on prints?		
Step 5	Contact customer	The problem is solved.
Replace the imaging unit, and then resend the print job.	support at http://support.lexmar	
Do streaked vertical lines appear on prints?	k.com or your service representative.	

Toner fog or background shading appears on prints



Action	Yes	No
Step 1	Go to step 2.	The problem is solved.
Reinstall the imaging unit.		
a Remove, and then install the imaging unit.		
b Resend the print job.		
Does fog or shading appear on prints?		
Step 2	Contact <u>customer</u>	The problem is solved.
Replace the imaging unit, and then resend the print job.	support at	
	http://support.lexm	<u>ar</u>
Does fog or shading appear on prints?	<u>k.com</u> or your servic	e
- 2 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4	representative.	

Toner rubs off



Action	Yes	No
Step 1 From the Paper menu on the printer control panel, check the paper type, texture, and weight. Do the paper type, texture, and weight match the paper loaded in the tray?	Go to step 2.	Specify the paper type, texture, and weight from the tray settings to match the paper loaded in the tray.
Step 2 Resend the print job. Does the toner still rub off?	Contact <u>customer</u> <u>support</u> .	The problem is solved.

Toner specks appear on prints

Action	Yes	No
Replace the imaging unit, and then resend the print job.	Contact <u>customer</u> <u>support</u> .	The problem is solved.
Do toner specks appear on prints?		

Transparency print quality is poor

Action	Yes	No
Step 1 From the printer control panel, set the paper type in the Paper menu to match the paper loaded in the tray.	Go to step 2.	Set the paper type to Transparency.
Is the paper type for the tray set to Transparency?		
Step 2a Check if you are using a recommended type of transparency.b Resend the print job.	Contact <u>customer</u> <u>support</u> .	The problem is solved.
Is the print quality still poor?		

Uneven print density



Action	Yes	No
Replace the imaging unit, and then resend the print job.	Contact <u>customer</u> <u>support</u> .	The problem is solved.
Is the print density uneven?		

Vertical voids appear on prints



Action	Yes	No
Step 1	Go to step 2.	The problem is solved.
a Make sure your software program is using a correct fill pattern.		
b Resend the print job.		
Do vertical voids appear on prints?		
Step 2	Go to step 3.	The problem is solved.
a From the printer control panel, set the paper type and weight in the Paper menu to match the paper loaded in the tray.		
b Resend the print job.		
Do vertical voids appear on prints?		
Step 3	Go to step 4.	The problem is solved.
Check if you are using a recommended type of paper.		
a Load the specified tray or feeder with a recommended type of paper.		
b Resend the print job.		
Do vertical voids appear on prints?		

Action	Yes	No
Step 4	Go to step 5.	The problem is solved.
a Redistribute the toner in the imaging unit.		
1 Remove the toner cartridge, and then the imaging unit.		
2 Firmly shake the imaging unit.		
Warning—Potential Damage: Do not expose the imaging unit to direct light for more than 10 minutes. Extended exposure to light may cause print quality problems.		
3 Reinstall the imaging unit, and then the cartridge.		
b Resend the print job.		
Do vertical voids appear on prints?		
Step 5	Contact <u>customer</u>	The problem is solved.
Replace the imaging unit, and then resend the print job.	support.	
Do vertical voids appear on prints?		

Solving copy problems

- "Copier does not respond" on page 320
- "Partial document or photo copies" on page 321
- "Poor copy quality" on page 321
- "Scanner unit does not close" on page 323

Copier does not respond

Action	Yes	No
Step 1 Check if an error or status message appears on the display.	Clear the error or status message.	Go to step 2.
Does an error or status message appear?		
Step 2 Check if the power cord is plugged into the printer and a properly grounded electrical outlet. Is the power cord plugged into the printer and a properly grounded electrical outlet?	Go to step 3.	Connect the power cord to the printer and a properly grounded electrical outlet.
Step 3 Turn off the printer, then wait for about 10 seconds, and then turn it back on. Did Performing Self Test and Ready appear?	The problem is solved.	Contact <u>customer</u> <u>support</u> .

Partial document or photo copies

Action	Yes	No
Step 1 Check the placement of the document or photo. Make sure the document or photo is loaded facedown on the scanner glass in the upper left corner. Is the document or photo loaded correctly?	Go to step 2.	Place the document or photo facedown on the scanner glass in the upper left corner.
Step 2 Check if the paper size setting matches the size of the paper loaded in the tray. From the Paper menu on the printer control panel, check the Paper Size setting. Does the paper size setting match the size of the paper loaded in the tray.	Go to step 3.	Change the paper size setting to match the paper loaded in the tray, or load the tray with paper that matches the paper size setting.
 Step 3 a Specify the paper size. Depending on your operating system, specify the paper size in Printing Preferences or the Print dialog. b Resend the print job. Do copies print properly? 	The problem is solved.	Contact <u>customer</u> <u>support</u> .

Poor copy quality

Action	Yes	No
Step 1 Check if an error or status message appears on the display.	Clear the error or status message.	Go to step 2.
Does an error or status message appear?		
Step 2 Check the quality of the original document. Is the quality of the original document satisfactory?	Go to step 3.	Increase the scan resolution setting for a higher-quality output.
Step 3 If dark marks appear on prints, then clean the scanner glass and the ADF glass using a clean, lint-free cloth dampened with water. Is the scanner glass clean?	Go to step 4.	See "Cleaning the scanner glass" on page 237.

Action	Yes	No
Step 4 Send a print job, and then check for print quality problems. a From the General Settings menu, adjust the Eco-Mode settings. b From the Copy menu, adjust the Darkness setting. c If the print remains faded, then replace the toner cartridge.	Go to step 5.	See <u>"Print quality problems" on page 301</u> .
Is the print quality satisfactory?		
Step 5 Check the placement of the document or photo. Make sure the document or photo is loaded facedown on the scanner glass in the upper left corner.	Go to step 6.	Place the document or photo facedown on the scanner glass in the upper left corner.
Is the document or photo loaded correctly?		
Step 6 Check the copy settings. From the Copy screen, check if the Content Type and Content Source settings are correct for the document being scanned. Are the Content Type and Content Source settings correct for the	Go to step 7.	Change the Content Type and Content Source settings to match the document being scanned.
document being scanned?		
 Step 7 Check for patterns on prints. a From the Copy screen, navigate to: Advanced Options > Advanced Imaging > Sharpness > select a lower setting Note: Make sure no scaling is being selected. b Resend the copy job. Do patterns appear on prints?	Go to step 8.	The problem is solved.
Step 8	Go to step 9.	The problem is solved.
Check for missing or faded text on prints. a From the Copy screen, navigate to: Advanced Options > Advanced Imaging b Adjust the settings: • Sharpness—Increase the current setting. • Contrast—Increase the current setting. c Resend the copy job. Do prints have missing or faded text?	·	

Action	Yes	No
Step 9	Contact <u>customer</u>	The problem is solved.
Check for washed-out or overexposed output.	support.	
a From the Copy screen, navigate to:		
Advanced Options > Advanced Imaging		
b Adjust the settings of the following:		
Background Removal—Reduce the current setting.		
Shadow Detail—Reduce the current setting.		
c Resend the copy job.		
Do pages show washed-out or overexposed prints?		

Scanner unit does not close

Action	Yes	No
Check if there are no obstructions between the scanner unit and the printer. a Lift the scanner unit. b Remove any obstruction that keeps the scanner unit open. c Lower the scanner unit.	The problem is solved.	Contact <u>customer</u> <u>support</u> .
Did the scanner unit close properly?		

Solving fax problems

- "Caller ID is not shown" on page 324
- "Cannot send or receive a fax" on page 324
- "Can receive but not send faxes" on page 326
- "Can send but not receive faxes" on page 327
- "Fax and e-mail functions are not set up" on page 328
- "Received fax has poor print quality" on page 328

Caller ID is not shown

Action	Yes	No
Contact your telephone company to check if your telephone line is subscribed to the caller ID service.	The problem is solved.	Contact <u>customer</u> <u>support</u> .
Notes:		
 If your region supports multiple caller ID patterns, then you may have to change the default setting. There are two settings available: FSK (pattern 1) and DTMF (pattern 2). 		
 The availability of these settings in the Fax menu depends on whether your country or region supports multiple caller ID patterns. 		
 Contact your telephone company to determine which pattern or switch setting to use. 		
Does the caller ID appear?		

Cannot send or receive a fax

Action	Yes	No
Step 1 Check if an error or status message appears on the display.	Clear the error or status message.	Go to step 2.
Is there an error or status message on the display?		
Step 2 Check if the power cord is plugged into the printer and a properly grounded electrical outlet.	Go to step 3.	Connect the power cord to the printer and a properly grounded electrical outlet.
Is the power cord plugged into the printer and a properly grounded electrical outlet?		
Step 3 Check the power. Check if the printer is plugged in and turned on, and if Ready appears on the display.	Go to step 4.	Turn on the printer, and then wait until Ready appears on the display.
Is the printer turned on, and does Ready appear on the display?		
Step 4 Check the printer connections. If applicable, check if the cable connections for the following equipment are secure: • Telephone	Go to step 5.	Securely connect the cables.
Handset		
Answering machine		
Are the cable connections secure?		

Action	Yes	No
Step 5	The problem is solved.	Go to step 6.
a Check the telephone wall jack.		·
1 Plug the telephone cable into the wall jack.		
2 Listen for a dial tone.		
3 If you do not hear a dial tone, then plug a different telephone cable into the wall jack.		
4 If you still do not hear a dial tone, then plug the telephone cable into a different wall jack.		
5 If you hear a dial tone, then connect the printer to that wall jack.		
b Try sending or receiving a fax.		
Can you send or receive a fax?		
Step 6	Go to step 7.	Connect the printer to
Check if the printer is connected to an analog phone service or the correct digital connector.		an analog phone service or the correct digital connector.
The fax modem is an analog device. Certain devices can be connected to the printer so that digital telephone services can be used.		digital connector.
 If you are using an ISDN telephone service, then connect the printer to an analog telephone port (an R-interface port) on an ISDN terminal adapter. For more information and to request an R- interface port, contact your ISDN provider. 		
 If you are using DSL, then connect to a DSL filter or router that will support analog use. For more information, contact your DSL provider. 		
 If you are using a PBX telephone service, then make sure you are connecting to an analog connection on the PBX. If none exists, then consider installing an analog telephone line for the fax machine. 		
Is the printer connected to an analog phone service or the correct digital connector?		
Step 7	Go to step 8.	Try calling the fax
Check for a dial tone.		number to make sure that it is working properly.
Did you hear a dial tone?		 If the telephone line is being used by another device, then wait until the other device is finished before sending a fax. If you are using the On Hook Dial
		feature, then turn up the volume to check if you hear a dial tone.

Action	Yes	No
Step 8 Temporarily disconnect other equipment (such as answering machines, computers with modems, or telephone line splitters) between the printer and the telephone line, and then try sending or receiving a fax.	The problem is solved.	Go to step 9.
Can you send or receive a fax?		
 Step 9 a Temporarily disable call waiting. Contact your telephone company to obtain the keypad sequence for temporarily disabling call waiting. b Try sending or receiving a fax. 	The problem is solved.	Go to step 10.
Can you send or receive a fax?		
 Step 10 a Temporarily disable voice mail service. For more information, contact your telephone company. Note: If you want to use both voice mail and the printer, then consider adding a second telephone line for the printer. b Try sending or receiving a fax. Can you send or receive a fax?	The problem is solved.	Go to step 11.
Step 11 Scan the original document one page at a time. a Dial the fax number. b Scan the document one page at a time. Can you send or receive a fax?	The problem is solved.	Contact <u>customer</u> <u>support</u> .

Can receive but not send faxes

Action	Yes	No
Step 1	The problem is solved.	Go to step 2.
Check if the printer is in Fax mode.		
From the home screen, touch Fax to put the printer in Fax mode, and then send the fax.		
Note: The Multi Send application does not support the XPS output type. To use XPS, use the regular faxing method.		
Can you send faxes?		

Action	Yes	No
Step 2	The problem is solved.	Go to step 3.
Load the original document properly.		
Load the original document faceup, short edge first into the ADF tray or facedown on the scanner glass in the upper left corner.		
Note: Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF tray. Place these items on the scanner glass.		
Thate these realis on the seamer glass.		
Can you send faxes?		
Step 3	The problem is solved.	Contact <u>customer</u>
Set up the shortcut number properly.		support.
Check if the shortcut number has been set for the telephone number that you want to dial.		
Dial the telephone number manually.		
Can you send faxes?		

Can send but not receive faxes

Action	Yes	No
Step 1	The problem is solved.	Go to step 2.
Check the tray or feeder.		
If empty, then load paper in the tray or feeder.		
Can you receive faxes?		
Step 2	The problem is solved.	Go to step 3.
Check the ring count delay settings.		
a Open a Web browser, and then type the printer IP address in the address field.		
Notes:		
 View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123. 		
 If you are using a proxy server, then temporarily disable it to load the Web page correctly. 		
b Click Settings > Fax Settings > Analog Fax Setup.		
c In the "Rings to Answer" field, enter the number of times you want the phone to ring before the printer answers.		
d Click Submit.		
Can you receive faxes?		

Action	Yes	No
Step 3 Replace the toner cartridge. For more information, see the instruction sheet that came with the supply.	The problem is solved.	Contact <u>customer</u> <u>support</u> .
Can you receive faxes?		

Fax and e-mail functions are not set up

Notes:

- Before you troubleshoot, check if the fax cables are connected.
- The indicator light is blinking red until you set up fax and e-mail.

Action	Yes	No
a From the home screen, navigate to: > Settings > General Settings > Run initial setup > Yes > Submit	The problem is solved.	Contact <u>customer</u> <u>support</u> .
 b Turn off the printer, and then turn it back on. The "Select your language" screen appears on the printer display. c Select a language, and then touch . d Select a country or region, and then touch Next. e Select a time zone, and then touch Next. f Select Fax and E-mail, and then touch Next. 		
Are fax and e-mail functions set up?		

Received fax has poor print quality

Action	Yes	No
Step 1	The problem is solved.	Go to step 2.
Ask the person who sent you the fax to:		
a Check if the quality of the original document is satisfactory.		
b Increase the fax scan resolution, if possible.		
c Resend the fax.		
Is the fax print quality satisfactory?		

Action	Yes	No
Step 2	The problem is solved.	Go to step 3.
Decrease the incoming fax transmission speed.		
a Open a Web browser, and then type the printer IP address in the address field.		
Notes:		
 View the printer IP address on the printer home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123. 		
 If you are using a proxy server, then temporarily disable it to load the Web page correctly. 		
 Print a network setup page or menu settings page, and then locate the IP address in the TCP/IP section. 		
b Click Settings > Fax Settings > Analog Fax Setup.		
c In the Max Speed menu, click one of the following:		
• 2400		
• 4800		
• 9600		
• 14400		
• 33600		
d Click Submit , and then resend the fax.		
Is the fax print quality satisfactory?		
Step 3	The problem is solved.	Contact <u>customer</u>
Replace the toner cartridge.		support.
When Cartridge low [88.xy] appears, replace the cartridge, and then resend the fax.		
Is the fax print quality satisfactory?		

Solving scanner problems

- "Cannot scan from a computer" on page 330
- "Partial document or photo scans" on page 330
- "Poor scanned image quality" on page 330
- "Scan job was not successful" on page 331
- "Scanner unit does not close" on page 332
- "Scanning takes too long or freezes the computer" on page 332
- "The scanner does not respond" on page 333

Cannot scan from a computer

Action	Yes	No
Step 1	Go to step 3.	Go to step 2.
Make sure the printer is turned on and that Ready appears on the printer display before scanning a job.		
Does Ready appear before scanning the job?		
Step 2	Clear the error	Go to step 3.
Turn off the printer, then wait for about 10 seconds, and then turn the printer back on.	message.	
Is there an error message on the printer display?		
Step 3	Contact <u>customer</u>	Tighten the cable
Check the cable connections between the printer and the print server to make sure they are secure.	support.	connections.
For more information, see the setup documentation that came with the printer.		
Are the cable connections between the printer and the print server secure?		

Partial document or photo scans

Action	Yes	No
Check the placement of the document or photo. Make sure the document or photo is loaded facedown on the scanner glass in the upper left corner.	Contact <u>customer</u> <u>support</u> .	Load the document or photo facedown on the scanner glass in the upper left corner.
Is the document or photo loaded correctly?		

Poor scanned image quality

Action	Yes	No
Step 1 Check if an error message appears on the display. Is there an error message on the printer display?	Clear the error message.	Go to step 2.
Step 2 Check the quality of the original document. Is the quality of the original document satisfactory?	Go to step 3.	Increase the scan resolution settings for a higher-quality output.

Action	Yes	No
Step 3 Clean the scanner glass and the ADF glass using a clean, lint-free cloth dampened with water.	Go to step 4.	See "Cleaning the scanner glass" on page 237.
Is the scanner glass clean?		
Step 4 Check the placement of the document or photo. Make sure the document or photo is loaded facedown on the scanner glass in the upper left corner.	Go to step 5.	Place the document or photo facedown on the scanner glass in the upper left corner.
Is the document or photo loaded correctly?		
 Step 5 Send a print job, and then check for print quality problems. From the General Settings menu, adjust the Eco-Mode settings. From the Copy menu, adjust the Darkness setting. When the print becomes faded, replace the toner cartridge. 	Go to step 6.	See "Print quality problems" on page 301.
Is the print quality satisfactory?		
Step 6 Check the scan settings. From the Scan screen, make sure the Content Type and Content Source settings are correct for the document being scanned. Are the Content Type and Content Source settings correct for the document being scanned?	Go to step 7.	Change the Content Type and Content Source settings to match the document being scanned.
Step 7 Increase the scan resolution settings for a higher-quality output.	Problem solved.	Contact <u>customer</u> <u>support</u> .
Did the increased resolution produce a higher-quality output?		

Scan job was not successful

Action	Yes	No
Step 1 Check the cable connections.	Go to step 2.	Connect the cables properly.
		,
Make sure the Ethernet or USB cable is securely connected to the computer and the printer.		
Are the cables securely connected?		
Step 2	Change the file name.	Go to step 3.
Check if the file name is already in use.		
Is the file name already in use?		

Action	Yes	No
Step 3 Check if the document or photo you want to scan is open in another application or being used by another user. Is the file you want to scan open by another application or user?	Close the file you are scanning.	Go to step 4.
Step 4 Check if either the Append time stamp or the Overwrite existing file check box is selected in the destination configuration settings.	Contact <u>customer</u> <u>support</u> .	Select the Append time stamp or Overwrite existing file check box in the destination configuration settings.
Is the Append time stamp or Overwrite existing file check box selected in the destination configuration settings?		

Scanner unit does not close

Action	Yes	No
Check if there are obstructions in the scanner unit. a Lift the scanner unit. b Remove any obstruction keeping the scanner unit open. c Lower the scanner unit.	The problem is solved.	Contact <u>customer</u> <u>support</u> .
Did the scanner unit close correctly?		

Scanning takes too long or freezes the computer

Action	Yes	No
Step 1	Go to step 2.	The problem is solved.
Check if other applications are interfering with the scan. Close all applications that are not being used.		
Does scanning still take too long or freeze the computer?		
Step 2 Select a lower scan resolution.	Contact <u>customer</u> <u>support</u> .	The problem is solved.
Does scanning still take too long or freeze the computer?		

The scanner does not respond

Yes	No
Go to step 2.	Turn on the printer.
Go to step 3.	Connect the printer cable securely to the printer and the computer, print server, option, or other network device.
Go to step 4.	Connect the power cord to the printer and a properly grounded electrical outlet.
Turn on the switch or reset the breaker.	Go to step 5.
Connect the printer power cord directly to a properly grounded electrical outlet.	Go to step 6.
Unplug the other electrical equipment and turn on the printer. If the printer does not work, then reconnect the other electrical equipment and then go to step 6.	Go to step 7.
The problem is solved.	Contact <u>customer</u> <u>support</u> .
	Go to step 2. Go to step 3. Go to step 4. Turn on the switch or reset the breaker. Connect the printer power cord directly to a properly grounded electrical outlet. Unplug the other electrical equipment and turn on the printer. If the printer does not work, then reconnect the other electrical equipment and then go to step 6.

Solving home screen application problems

An application error has occurred

Action	Yes	No
Step 1	Go to step 2.	Contact <u>customer</u>
Check the system log for relevant details.		support.
a Open a Web browser, and then type the printer IP address in the address field.		
If you do not know the IP address of the printer, then you can:		
View the IP address on the printer home screen.		
 Print a network setup page or the menu settings pages, and then locate the IP address in the TCP/IP section. 		
Note: An IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.		
b Click Settings > Apps > Apps Management > System tab > Log.		
c From the Filter menu, select an application status.		
d From the Application menu, select an application, and then click Submit .		
Does an error message appear in the log?		
Step 2	The problem is solved.	Contact <u>customer</u>
Resolve the error.		support.
Is the application working now?		

Embedded Web Server does not open

	No
Go to step 2.	Type the correct printer IP address in the address field of your Web browser. Note: Depending on the network settings, you may need to type "https://" instead of "http://" before the printer IP address to access the Embedded Web Server.
Go to step 3.	Turn on the printer.

Action	Yes	No
Step 3 Check if the network connection is working.	Go to step 4.	Contact your system support person.
Is the network connection working?		
Step 4 Make sure the cable connections to the printer and print server are secure. For more information, see the setup documentation that came with the printer. Are the cable connections to the printer and print server secure?	Go to step 5.	Tighten the cable connection.
Step 5 Temporarily disable the Web proxy servers. Note: Proxy servers may block or restrict you from accessing certain Web sites including the Embedded Web Server. Are the Web proxy servers disabled?	Go to step 6.	Contact your system support person.
Step 6 Access the Embedded Web Server again by typing the correct IP address in the address field. Did the Embedded Web Server open?	The problem is solved.	Contact <u>customer</u> <u>support</u> .

Contacting customer support

When you contact customer support, you will need to be able to describe the problem you are experiencing, the message on the printer display, and the troubleshooting steps you have already taken to find a solution.

You need to know your printer model type and serial number. For more information, see the label at the back of the printer. The serial number is also listed on the menu settings page.

Lexmark has various ways to help you solve your printing problem. Visit the Lexmark Web site at http://support.lexmark.com, and then select one of the following:

Tech Library	You can browse our library of manuals, support documentation, drivers, and other downloads to help you solve common problems.
E-mail	You can send an e-mail to the Lexmark team, describing your problem. A service representative will respond and provide you with information to solve your problem.
Live chat	You can chat directly with a service representative. They can work with you to solve your printer problem or provide assistance through Assisted Service where the service representative can remotely connect to your computer through the Internet to troubleshoot problems, install updates, or complete other tasks to help you successfully use your Lexmark product.

Telephone support is also available. In the U.S. or Canada, call 1-800-539-6275. For other countries or regions, visit http://support.lexmark.com.

Notices

Product information

Product name:

Lexmark MX710, MX711

Machine type:

7463

Model(s):

032, 036, 037, 232, 236, 237

Edition notice

August 2014

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Federal Communications Commission (FCC) compliance information statement

This product has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The FCC Class A limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

The manufacturer is not responsible for any radio or television interference caused by using other than recommended cables or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate this equipment.

Note: To assure compliance with FCC regulations on electromagnetic interference for a Class A computing device, use a properly shielded and grounded cable such as Lexmark part number 1021231 for parallel attach or 1021294 for USB attach. Use of a substitute cable not properly shielded and grounded may result in a violation of FCC regulations.

Modular component notice

This product may contain the following modular component(s):

Lexmark Regulatory Type/Model LEX-M01-005; FCC ID:IYLLEXM01005; IC:2376A-M01005

Licensing notices

All licensing notices associated with this product can be viewed from the root directory of the installation software CD.

Noise emission levels

The following measurements were made in accordance with ISO 7779 and reported in conformance with ISO 9296.

Note: Some modes may not apply to your product.

1-meter average sound pressure, dBA		
Printing	58	
Scanning	57	
Copying	58	
Ready	33	

Values are subject to change. See www.lexmark.com for current values.

Waste from Electrical and Electronic Equipment (WEEE) directive



The WEEE logo signifies specific recycling programs and procedures for electronic products in countries of the European Union. We encourage the recycling of our products.

If you have further questions about recycling options, visit the Lexmark Web site at www.lexmark.com for your local sales office phone number.

India E-Waste notice

This product complies with the India E-Waste (Management and Handling) Rules, 2011, which prohibit use of lead, mercury, hexavalent chromium, polybrominated biphenyls, or polybrominated diphenyl ethers in concentrations exceeding 0.1% by weight and 0.01% by weight for cadmium, except for the exemption set in Schedule II of the Rules.

Product disposal

Do not dispose of the printer or supplies in the same manner as normal household waste. Consult your local authorities for disposal and recycling options.

Static sensitivity notice



This symbol identifies static-sensitive parts. Do not touch in the areas near these symbols without first touching the metal frame of the printer.

ENERGY STAR

Any Lexmark product bearing the ENERGY STAR emblem on the product or on a start-up screen is certified to comply with Environmental Protection Agency (EPA) ENERGY STAR requirements as configured when shipped by Lexmark.



Temperature information

Ambient operating temperature	15.6 to 32.2°C (60 to 90°F)
Shipping temperature	-40 to 43.3°C (-40 to 110°F)
Storage temperature and relative humidity	1 to 35°C (34 to 95°F)
	8 to 80% RH

Laser notice

The printer is certified in the U.S. to conform to the requirements of DHHS 21 CFR Chapter I, Subchapter J for Class I (1) laser products, and elsewhere is certified as a Class I laser product conforming to the requirements of IEC 60825-1.

Class I laser products are not considered to be hazardous. The printer contains internally a Class IIIb (3b) laser that is nominally a 10 milliwatt gallium arsenide laser operating in the wavelength of 787-800 nanometers. The laser system and printer are designed so there is never any human access to laser radiation above a Class I level during normal operation, user maintenance, or prescribed service condition.

Laser advisory label

A laser notice label may be affixed to this printer as shown:

DANGER - Invisible laser radiation when cartridges are removed and interlock defeated. Avoid exposure to laser beam.

PERIGO - Radiação a laser invisível será liberada se os cartuchos forem removidos e o lacre rompido. Evite a exposição aos feixes de laser.

Opasnost - Nevidljivo lasersko zračenje kada su kasete uklonjene i poništena sigurnosna veza. Izbjegavati izlaganje zracima.

NEBEZPEČÍ - Když jsou vyjmuty kazety a je odblokována pojistka, ze zařízení je vysíláno neviditelné laserové záření. Nevystavujte se působení laserového paprsku.

FARE - Usynlig laserstråling, når patroner fjernes, og spærreanordningen er slået fra. Undgå at blive udsat for laserstrålen.

GEVAAR - Onzichtbare laserstraling wanneer cartridges worden verwijderd en een vergrendeling wordt genegeerd. Voorkom blootstelling aan de laser.

DANGER - Rayonnements laser invisibles lors du retrait des cartouches et du déverrouillage des loquets. Eviter toute exposition au rayon laser.

VAARA - Näkymätöntä lasersäteilyä on varottava, kun värikasetit on poistettu ja lukitus on auki. Vältä lasersäteelle altistumista.

GEFAHR - Unsichtbare Laserstrahlung beim Herausnehmen von Druckkassetten und offener Sicherheitssperre. Laserstrahl meiden.

ΚΙΝΔΥΝΟΣ - Έκλυση αόρατης ακτινοβολίας laser κατά την αφαίρεση των κασετών και την απασφάλιση της μανδάλωσης. Αποφεύγετε την έκθεση στην ακτινοβολία laser.

VESZÉLY – Nem látható lézersugárzás fordulhat elő a patronok eltávolításakor és a zárószerkezet felbontásakor. Kerülje a lézersugárnak való kitettséget.

PERICOLO - Emissione di radiazioni laser invisibili durante la rimozione delle cartucce e del blocco. Evitare l'esposizione al raggio laser.

FARE – Usynlig laserstråling når kassettene tas ut og sperren er satt ut av spill. Unngå eksponering for laserstrålen.

NIEBEZPIECZEŃSTWO - niewidzialne promieniowanie laserowe podczas usuwania kaset i blokady. Należy unikać naświetlenia promieniem lasera.

ОПАСНО! Невидимое лазерное излучение при извлеченных картриджах и снятии блокировки. Избегайте воздействия лазерных лучей.

Pozor – Nebezpečenstvo neviditeľného laserového žiarenia pri odobratých kazetách a odblokovanej poistke. Nevystavujte sa lúčom.

PELIGRO: Se producen radiaciones láser invisibles al extraer los cartuchos con el interbloqueo desactivado. Evite la exposición al haz de láser.

FARA – Osynlig laserstrålning när patroner tas ur och spärrmekanismen är upphävd. Undvik exponering för laserstrålen.

危险 - 当移除碳粉盒及互锁失效时会产生看不见的激光辐射,请避免暴露在激光光束下。

危險 - 移除碳粉匣與安全連續開關失效時會產生看不見的雷射輻射。請避免曝露在雷射光束下。

危険 - カートリッジが取り外され、内部ロックが無効になると、見えないレーザー光が放射されます。 このレーザー光に当たらないようにしてください。

Power consumption

Product power consumption

The following table documents the power consumption characteristics of the product.

Note: Some modes may not apply to your product.

Mode	Description	Power consumption (Watts)
Printing	The product is generating hard-copy output from electronic inputs.	825 (MX710); 925 (MX711)
Сору	The product is generating hard-copy output from hard-copy original documents.	860 (MX710); 960 (MX711)
Scan	The product is scanning hard-copy documents.	130
Ready	The product is waiting for a print job.	110 (Ready 1); 55 (Ready 2)
Sleep Mode	The product is in a high-level energy-saving mode.	14 (MX710); 15 (MX711)
Hibernate	The product is in a low-level energy-saving mode.	0.7
Off	The product is plugged into an electrical outlet, but the power switch is turned off.	0

The power consumption levels listed in the previous table represent time-averaged measurements. Instantaneous power draws may be substantially higher than the average.

Values are subject to change. See www.lexmark.com for current values.

Sleep Mode

This product is designed with an energy-saving mode called *Sleep Mode*. The Sleep Mode saves energy by lowering power consumption during extended periods of inactivity. The Sleep Mode is automatically engaged after this product is not used for a specified period of time, called the *Sleep Mode Timeout*.

Factory default Sleep Mode Timeout for this product (in minutes):

20

By using the configuration menus, the Sleep Mode Timeout can be modified between 1 minute and 120 minutes. Setting the Sleep Mode Timeout to a low value reduces energy consumption, but may increase the response time of the product. Setting the Sleep Mode Timeout to a high value maintains a fast response, but uses more energy.

Hibernate Mode

This product is designed with an ultra-low power operating mode called *Hibernate mode*. When operating in Hibernate Mode, all other systems and devices are powered down safely.

The Hibernate mode can be entered in any of the following methods:

- Using the Hibernate Timeout
- Using the Schedule Power modes
- Using the Sleep/Hibernate button

Factory default Hibernate Timeout for this product in all countries or regions

3 days

The amount of time the printer waits after a job is printed before it enters Hibernate mode can be modified between one hour and one month.

Off mode

If this product has an off mode which still consumes a small amount of power, then to completely stop product power consumption, disconnect the power supply cord from the electrical outlet.

Total energy usage

It is sometimes helpful to calculate the total product energy usage. Since power consumption claims are provided in power units of Watts, the power consumption should be multiplied by the time the product spends in each mode in order to calculate energy usage. The total product energy usage is the sum of each mode's energy usage.

Industry Canada compliance statement

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Standard ICES-003.

Avis de conformité aux normes de l'industrie du Canada

Cet appareil numérique de classe A est conforme aux exigences de la norme canadienne relative aux équipements pouvant causer des interférences NMB-003.

Japanese VCCI notice

製品にこのラベルが表示されている場合、 次の要件を満たしています。

この装置は、クラス A 情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。 VCCI-A

この装置は、クラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。 VCCI-A

European Community (EC) directives conformity

This product is in conformity with the protection requirements of EC Council directives 2004/108/EC, 2006/95/EC, and 2011/65/EU on the approximation and harmonization of the laws of the Member States relating to electromagnetic compatibility, safety of electrical equipment designed for use within certain voltage limits, and on the restrictions of use of certain hazardous substances in electrical and electronic equipment.

The manufacturer of this product is: Lexmark International, Inc., 740 West New Circle Road, Lexington, KY, 40550 USA. The authorized representative is: Lexmark International Technology Hungária Kft., 8 Lechner Ödön fasor, Millennium Tower III, 1095 Budapest HUNGARY, A declaration of conformity to the requirements of the Directives is available upon request from the Authorized Representative.

This product satisfies the Class A limits of EN 55022 and safety requirements of EN 60950-1.

Radio interference notice

Warning

This is a product that complies with the emission requirements of EN55022 Class A limits and immunity requirements of EN55024. This product is not intended to be used in residential/domestic environments.

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

Regulatory notices for telecommunication terminal equipment

This section contains regulatory information pertaining to products that contain telecommunication terminal equipment such as facsimile.

Notice to users of the US telephone network: FCC requirements

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the Administrative Council for Terminal Attachments (ACTA). On the back of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, this number must be provided to your telephone company.

This equipment uses the RJ-11C Universal Service Order Code (USOC) jack.

A plug and jack used to connect this equipment to the premises' wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See your setup documentation for more information.

The Ringer Equivalence Number (REN) is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact your local telephone company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (for example, 03 is a REN of 0.3). For earlier products, the REN is shown separately on the label.

If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. If advance notice is not practical, the telephone company will notify the customer as soon as possible. You will also be advised of your right to file a complaint with the FCC.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of this equipment. If this happens, the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

If you experience trouble with this equipment, for repair or warranty information, contact Lexmark International, Inc. at www.lexmark.com or your Lexmark representative. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

This equipment contains no user serviceable parts. For repair and warranty information, contact Lexmark International, Inc. See the previous paragraph for contact information.

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission, or corporation commission for information.

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

Telephone companies report that electrical surges, typically lightning transients, are very destructive to customer terminal equipment connected to AC power sources. This has been identified as a major nationwide problem. It is recommended that the customer install an appropriate AC surge arrestor in the AC outlet to which this device is connected. An appropriate AC surge arrestor is defined as one that is suitably rated, and certified by UL (Underwriter's Laboratories), another NRTL (Nationally Recognized Testing Laboratory), or a recognized safety certification body in the country/region of use. This is to avoid damage to the equipment caused by local lightning strikes and other electrical surges.

The Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device, including fax machines, to send any message unless said message clearly contains in a margin at the top or bottom of each transmitted page or on the first page of the transmission, the date and time it is sent and an identification of the business or other entity, or other individual sending the message, and the telephone number of the sending machine or such business, other entity, or individual. (The telephone number provided may not be a 900 number or any other number for which charges exceed local or long-distance transmission charges.)

See your user documentation in order to program this information into your fax machine.

Notice to users of the Canadian telephone network

This product meets the applicable Industry Canada technical specifications. The Ringer Equivalence Number (REN) is an indication of the maximum number of terminals allowed to be connected to a telephone interface. The terminus of

an interface may consist of any combination of devices, subject only to the requirement that the sum of the RENs of all the devices does not exceed five. The modem REN is located on the rear of the equipment on the product labeling.

Telephone companies report that electrical surges, typically lightning transients, are very destructive to customer terminal equipment connected to AC power sources. This has been identified as a major nationwide problem. It is recommended that the customer install an appropriate AC surge arrestor in the AC outlet to which this device is connected. An appropriate AC surge arrestor is defined as one that is suitably rated, and certified by UL (Underwriter's Laboratories), another NRTL (Nationally Recognized Testing Laboratory), or a recognized safety certification body in the country/region of use. This is to avoid damage to the equipment caused by local lightning strikes and other electrical surges.

This equipment uses CA11A telephone jacks.

Avis réservé aux utilisateurs du réseau téléphonique du Canada

Ce produit est conforme aux spécifications techniques d'Industrie Canada. Le numéro REN (ringer equivalence number : numéro d'équivalence de sonnerie) fournit une indication du nombre maximum de terminaux pouvant être connectés à l'interface téléphonique. En bout de ligne, le nombre d'appareils qui peuvent être connectés n'est pas directement limité, mais la somme des REN de ces appareils ne doit pas dépasser cinq. Le numéro REN du modem est indiqué sur l'étiquette produit située à l'arrière de l'équipement.

Les compagnies de téléphone constatent que les surtensions électriques, en particulier celles dues à la foudre, entraînent d'importants dégâts sur les terminaux privés connectés à des sources d'alimentation CA. Il s'agit-là d'un problème majeur d'échelle nationale. En conséquence, il vous est recommandé de brancher un parasurtenseur dans la prise de courant à laquelle l'équipement est connecté. Utilisez un parasurtenseur répondant à des caractéristiques nominales satisfaisantes et certifié par le laboratoire d'assureurs UL (Underwriter's Laboratories), un autre laboratoire agréé de type NRTL (Nationally Recognized Testing Laboratory) ou un organisme de certification agréé dans votre région ou pays. Ceci prévient tout endommagement de l'équipement causé par les orages et autres surtensions électriques.

Cet équipement utilise des prises de téléphone CA11A.

Notice to users of the New Zealand telephone network

The following are special conditions for the Facsimile User Instructions. The grant of a telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.

This equipment shall not be set up to make automatic calls to the Telecom's 111 Emergency Service.

This equipment may not provide for the effective hand-over of a call to another device connected to the same line.

This equipment should not be used under any circumstances that may constitute a nuisance to other Telecom customers.

Some parameters required for compliance with Telecom's telepermit requirements are dependent on the equipment associated with this device. The associated equipment shall be set to operate within the following limits for compliance to Telecom's specifications:

- There shall be no more than 10 call attempts to the same number within any 30 minute period for any single manual call initiation, and
- The equipment shall go on-hook for a period of not less than 30 seconds between the end of one attempt and the beginning of the next call attempt.

• The equipment shall be set to ensure that automatic calls to different numbers are spaced such that there is not less than 5 seconds between the end of one call attempt and the beginning of another.

Japanese telecom notice

The installed optional modem is in compliance with Japanese Telecommunication Law and has been Certified by JATE, with Certification Number A11-0160001.



Using this product in Switzerland

This product requires a Swiss billing tone filter (Lexmark part number 80D1877) to be installed on any line which receives metering pulses in Switzerland. The filter must be used, as metering pulses are present on all analog telephone lines in Switzerland.

Utilisation de ce produit en Suisse

Cet appareil nécessite l'utilisation d'un filtre de tonalité de facturation suisse (nº de référence Lexmark : 80D1877) devant être installé sur toute ligne recevant des impulsions de comptage en Suisse. Ce filtre doit être utilisé pour toute installation car ces impulsions existent sur toutes les lignes téléphoniques suisses.

Verwendung dieses Produkts in der Schweiz

Für dieses Produkt muss ein schweizerischer Billing Tone Filter zur Zählzeichenübertragung (Lexmark Teilenummer 80D1877) für jede Leitung installiert werden, über die in der Schweiz Zeitsteuertakte übertragen werden. Die Verwendung des Filters ist obligatorisch, da in allen analogen Telefonleitungen in der Schweiz Zeitsteuertakte vorhanden sind.

Uso del prodotto in Svizzera

Questo prodotto richiede un filtro toni Billing svizzero, (codice Lexmark 80D1877) da installare su tutte le linee che ricevono impulsi remoti in Svizzera. È necessario utilizzare il filtro poiché gli impulsi remoti sono presenti su tutte le linee analogiche in Svizzera.

Notice to Users in the European Union

Products bearing the CE mark are in conformity with the protection requirements of EC Council directives 2004/108/EC, 2006/95/EC, and 2011/65/EU on the approximation and harmonization of the laws of the Member States relating to

electromagnetic compatibility, safety of electrical equipment designed for use within certain voltage limits, and on the restrictions of use of certain hazardous substances in electrical and electronic equipment.

Compliance is indicated by the CE marking.



The manufacturer of this product is: Lexmark International, Inc., 740 West New Circle Road, Lexington, KY, 40550 USA. The authorized representative is: Lexmark International Technology Hungária Kft., 8 Lechner Ödön fasor, Millennium Tower III, 1095 Budapest HUNGARY. A declaration of conformity to the requirements of the Directives is available upon request from the Authorized Representative.

This product satisfies the Class A limits of EN 55022 and safety requirements of EN 60950-1.

Refer to the table at the end of the Notices section for further compliance information.

Regulatory notices for wireless products

This section contains the following regulatory information pertaining to wireless products that contain transmitters, for example, but not limited to, wireless network cards or proximity card readers.

Exposure to radio frequency radiation

The radiated output power of this device is far below the radio frequency exposure limits of the FCC and other regulatory agencies. A minimum separation of 20 cm (8 inches) must be maintained between the antenna and any persons for this device to satisfy the RF exposure requirements of the FCC and other regulatory agencies.

Industry Canada (Canada)

This device complies with Industry Canada specification RSS-210. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This device has been designed to operate only with the antenna provided. Use of any other antenna is strictly prohibited per regulations of Industry Canada.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF fields in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's Web site www.hc-sc.gc.ca/rpb.

The term "IC:" before the certification/registration number only signifies that the Industry Canada technical specifications were met.

Industry Canada (Canada)

Cet appareil est conforme à la norme RSS-210 d'Industry Canada. Son fonctionnement est soumis aux deux conditions suivantes :

(1) cet appareil ne doit pas provoquer d'interférences et (2) il doit accepter toute interférence reçue, y compris celles risquant d'altérer son fonctionnement.

Cet appareil a été conçu pour fonctionner uniquement avec l'antenne fournie. L'utilisation de toute autre antenne est strictement interdite par la réglementation d'Industry Canada.

En application des réglementations d'Industry Canada, l'utilisation d'une antenne de gain supérieur est strictement interdite.

Pour empêcher toute interférence radio au service faisant l'objet d'une licence, cet appareil doit être utilisé à l'intérieur et loin des fenêtres afin de garantir une protection optimale.

Si le matériel (ou son antenne d'émission) est installé à l'extérieur, il doit faire l'objet d'une licence.

L'installateur de cet équipement radio doit veiller à ce que l'antenne soit implantée et dirigée de manière à n'émettre aucun champ HF dépassant les limites fixées pour l'ensemble de la population par Santé Canada. Reportez-vous au Code de sécurité 6 que vous pouvez consulter sur le site Web de Santé Canada www.hc-sc.gc.ca/rpb.

Le terme « IC » précédant le numéro de d'accréditation/inscription signifie simplement que le produit est conforme aux spécifications techniques d'Industry Canada.

Notice to users in the European Union

Products bearing the CE mark are in conformity with the protection requirements of EC Council directives 2004/108/EC, 2006/95/EC, 1999/5/EC, and 2011/65/EU on the approximation and harmonization of the laws of the Member States relating to electromagnetic compatibility, safety of electrical equipment designed for use within certain voltage limits, radio equipment and telecommunications terminal equipment, and on the restrictions of use of certain hazardous substances in electrical and electronic equipment.

Compliance is indicated by the CE marking.



The manufacturer of this product is: Lexmark International, Inc., 740 West New Circle Road, Lexington, KY, 40550 USA. The authorized representative is: Lexmark International Technology Hungária Kft., 8 Lechner Ödön fasor, Millennium Tower III, 1095 Budapest HUNGARY, A declaration of conformity to the requirements of the Directives is available upon request from the Authorized Representative.

This product satisfies the Class A limits of EN 55022 and safety requirements of EN 60950-1.

Products equipped with 2.4GHz Wireless LAN option are in conformity with the protection requirements of EC Council directives 2004/108/EC, 2006/95/EC, and 1999/5/EC on the approximation and harmonization of the laws of the Member States relating to electromagnetic compatibility, safety of electrical equipment designed for use within certain voltage limits and on radio equipment and telecommunications terminal equipment.

Compliance is indicated by the CE marking.



Operation is allowed in all EU and EFTA countries, but is restricted to indoor use only.

The manufacturer of this product is: Lexmark International, Inc., 740 West New Circle Road, Lexington, KY, 40550 USA. The authorized representative is: Lexmark International Technology Hungária Kft., 8 Lechner Ödön fasor, Millennium Tower III, 1095 Budapest HUNGARY, A declaration of conformity to the requirements of the Directives is available upon request from the Authorized Representative.

This product may be used in the countries indicated in the table below.

AT	BE	BG	СН	СУ	CZ	DE	DK	EE
EL	ES	FI	FR	HR	ни	IE	IS	IT
LI	LT	LU	LV	МТ	NL	NO	PL	PT
RO	SE	SI	SK	TR	UK			

Česky	Společnost Lexmark International, Inc. tímto prohlašuje, že výrobek tento výrobek je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Dansk	Lexmark International, Inc. erklærer herved, at dette produkt overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Deutsch	Hiermit erklärt Lexmark International, Inc., dass sich das Gerät dieses Gerät in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
Ελληνική	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Η LEXMARK INTERNATIONAL, INC. ΔΗΛΩΝΕΙ ΟΤΙ ΑΥΤΌ ΤΟ ΠΡΟΙΌΝ ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
English	Hereby, Lexmark International, Inc., declares that this type of equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Español	Por medio de la presente, Lexmark International, Inc. declara que este producto cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Eesti	Käesolevaga kinnitab Lexmark International, Inc., et seade see toode vastab direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele muudele asjakohastele sätetele.
Suomi	Lexmark International, Inc. vakuuttaa täten, että tämä tuote on direktiivin 1999/5/EY oleellisten vaatimusten ja muiden sitä koskevien direktiivin ehtojen mukainen.
Français	Par la présente, Lexmark International, Inc. déclare que l'appareil ce produit est conforme aux exigences fondamentales et autres dispositions pertinentes de la directive 1999/5/CE.
Magyar	Alulírott, Lexmark International, Inc. nyilatkozom, hogy a termék megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
Íslenska	Hér með lýsir Lexmark International, Inc. yfir því að þessi vara er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.
Italiano	Con la presente Lexmark International, Inc. dichiara che questo questo prodotto è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Latviski	Ar šo Lexmark International, Inc. deklarē, ka šis izstrādājums atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvių	Šiuo Lexmark International, Inc. deklaruoja, kad šis produktas atitinka esminius reikalavimus ir kitas 1999/5/EB direktyvos nuostatas.

Malti	Bil-preżenti, Lexmark International, Inc., jiddikjara li dan il-prodott huwa konformi mal-ħtiġijiet essenzjali u ma dispożizzjonijiet oħrajn relevanti li jinsabu fid-Direttiva 1999/5/KE.
Nederlands	Hierbij verklaart Lexmark International, Inc. dat het toestel dit product in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Norsk	Lexmark International, Inc. erklærer herved at dette produktet er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.
Polski	Niniejszym Lexmark International, Inc. oświadcza, że niniejszy produkt jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
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